



LUBRICANTS FOR THE FORESTRY INDUSTRY



GAZPROMNEFT
LUBRICANTS

gazpromneft-sm.ru

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GAZPROMNEFT-LUBRICANTS LTD. IS A SUBSIDIARY OF GAZPROMNEFT PJSC, SPECIALIZING IN THE PRODUCTION AND SALES OF OILS, LUBRICANTS, AND TECHNICAL FLUIDS.

4 TRADE OFFICES
IN RUSSIA, BELARUS, AND KAZAKHSTAN

4 PRODUCTION
SITES

№ 14 IN THE WORLD

74 COUNTRIES —
GEOGRAPHY
OF SUPPLY



№ 1
IN RUSSIA*

590k TONS OF OILS, PLASTIC
LUBRICANTS AND
TECHNICAL FLUIDS
PER YEAR

BUSINESS

- Production of synthetic and mineral base oils (API Groups I, II, III, and V)
- Development and production of additive packages
- International network of G-Energy Service service stations
- The company's management system and production assets comply with international standards



ISO 9001



ISO 45001



ISO 14001

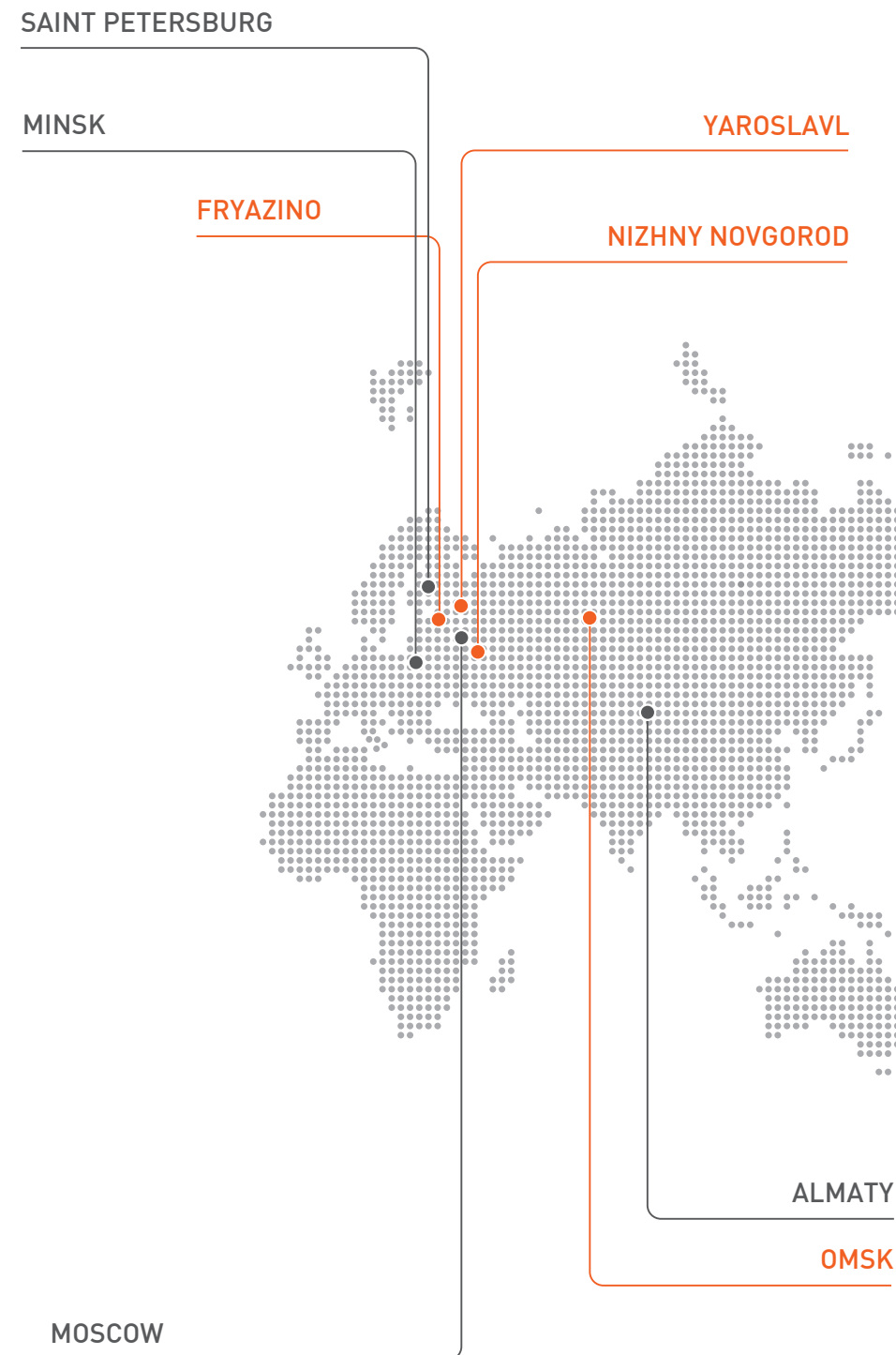
SCALE

- More than 150 distributors
- More than 1,000 products
- 1st place in the Russian marine oil market**

* Based on sales of packaged products in 2024.

** Based on 2024 data.

About the company

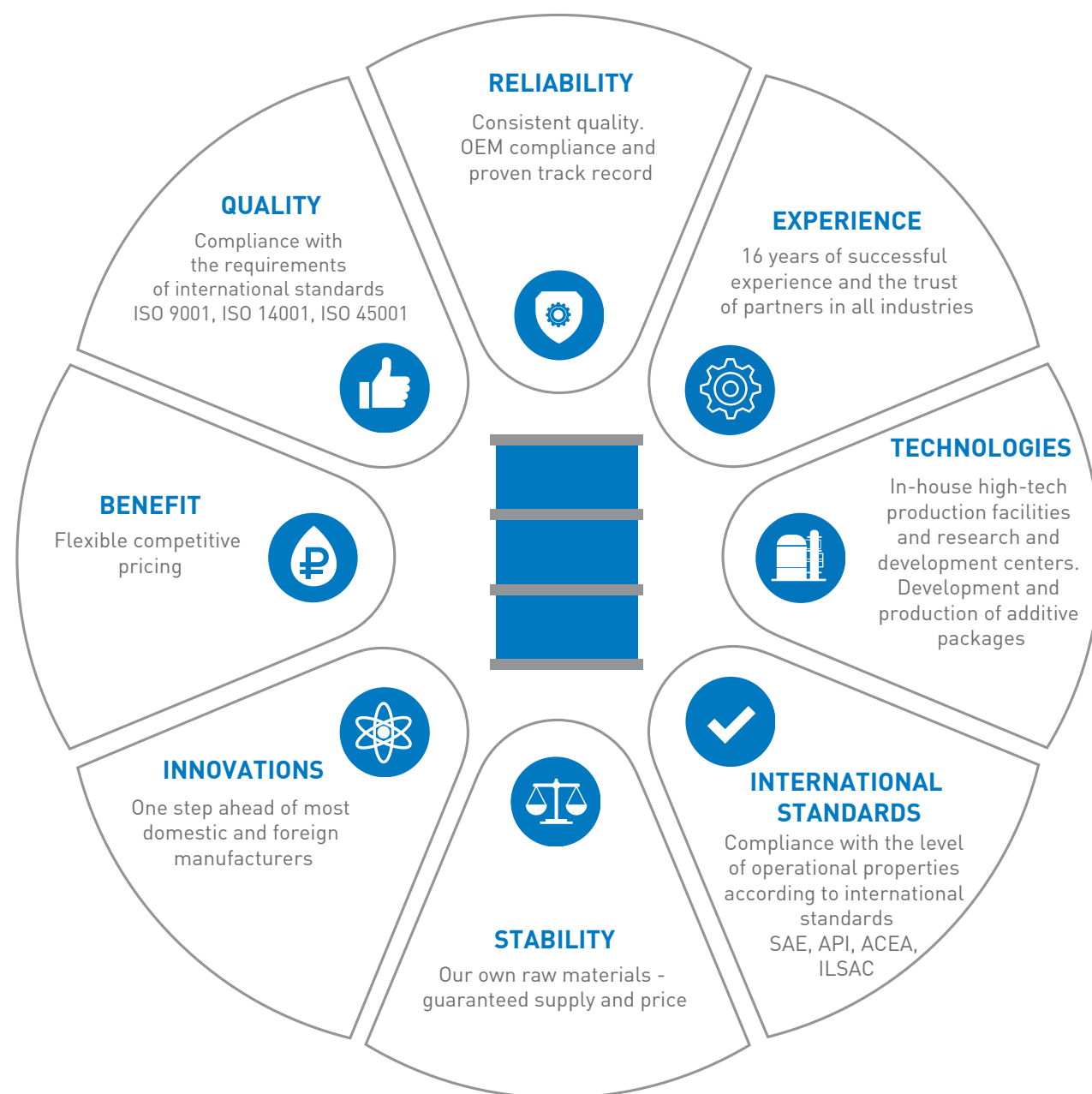


Production sites

Representative offices and branches

Gazpromneft-Lubricants is a reliable partner offering comprehensive solutions for various industries.

Benefits of working with the company



About the company



G-PROFI ENGINE OIL

Lubricants and technical fluids from the G-Profi, G-Box, G-Truck, G-Special, and G-Energy brands offer improved performance characteristics and exceed key equipment manufacturer requirements. They ensure maximum equipment efficiency in harsh operating conditions.

Gazpromneft-Lubricants is focused on developing and implementing a range of specialized lubricants that meet global quality standards and the requirements of leading manufacturers of industrial equipment and machinery.

GAZPROM NEFT / **GAZPROMNEFT LUBRICANTS**

Gazpromneft oils, greases, and technical fluids meet all requirements for modern lubricants, ensuring reliable operation of equipment.

This catalogue presents a range of motor, transmission, hydraulic, gear, compressor and other oils, lubricants and technical fluids intended for use in forestry enterprises.

Engine oil specifications

Compliance of G-Profi engine oils with international specifications

Specifications		G-Profi GTS		G-Profi GT			G-Profi GT LA				G-Profi MSK				G-Profi FLI		G-Profi MSI Plus		G-Profi MSI			G-Profi MSH		
SAE viscosity		5W-30	10W-40	5W-30	5W-40	10W-40	10W-40	5W-30	5W-40	10W-30	15W-40	15W-40	15W-40	15W-40	15W-40	15W-40	15W-40	15W-40	5W-40	10W-30	10W-40	10W-40	10W-40	15W-40
ACEA	E4	✓	✓	✓	✓	✓	✓							✓										
	E6						✓	✓																
	E7	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	E9						✓	✓	✓	✓	✓													
API	CH-4																					✓	✓	
	CI-4	✓	✓	✓	✓	✓							✓	✓	✓	✓	✓							
	CJ-4						✓		✓	✓	✓													
	CK-4						✓	✓	✓	✓	✓													
	SG																							
	SL													✓	✓						✓	✓	✓	✓
Global	DHD-1	✓	✓	✓	✓	✓							✓	✓						✓	✓			
	DH-1	✓	✓	✓	✓	✓							✓	✓										
JASO	DH-2						✓	✓	✓	✓	✓													
Allison	TES-439										✓													
Ford WSS-M2C171-F1																								
Detroit Diesel DDC	93K222						✓	✓		✓	✓													
	93K218								✓	✓	✓													
	93K215														✓							✓		
Caterpillar	ECF-1a				✓	✓									✓					✓		✓	✓	
	ECF-2			✓	✓	✓				✓	✓	✓	✓	✓						✓	✓			
	ECF-3						✓	✓	✓	✓	✓													

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit g-energy.org.

Compliance of G-Profi engine oils with equipment manufacturer specifications

Specifications		G-Profi GTS		G-Profi GT			G-Profi GT LA		G-Profi MSK				G-Profi FLI		G-Profi MSI Plus		G-Profi MSI			G-Profi MSH		
SAE viscosity		5W-30	10W-40	5W-30	5W-40	10W-40	10W-40	5W-30	5W-40	10W-30	15W-40	15W-40	15W-40	15W-40	15W-40	15W-40	5W-40	10W-30	10W-40	10W-40	10W-40	15W-40
Cummins	CES 20076/77														✓				✓	✓	✓	✓
	CES 20078	✓	✓	✓	✓	✓							✓		✓				✓	✓	✓	✓
	CES 20081							✓		✓	✓	✓										
	CES 20086							✓	✓	✓	✓	✓										
DAF Extended Drain		✓	✓					✓														
Deutz	DQC II																				✓	✓
	DQC III												✓		✓				✓	✓		
	DQC III-LA									✓	✓											
	DQC IV	✓	✓	✓	✓	✓																
MTU	DQC IV-LA						✓															
	Cat. 2														✓				✓	✓	✓	✓
	Cat. 2.1							✓		✓	✓	✓										
	Cat. 3	✓	✓	✓	✓	✓							✓									
Komatsu	Cat. 3.1							✓														
Volvo	VDS-2																				✓	✓
	VDS-3	✓	✓	✓	✓	✓							✓		✓		✓	✓	✓	✓		
	VDS-4												✓		✓		✓	✓	✓			
	VDS-4.5												✓	✓	✓	✓	✓	✓				
MACK	E0-M Plus																			✓	✓	✓
	E0-N	✓	✓	✓	✓	✓							✓		✓				✓	✓		
	E0-O PP												✓									
	E0S-4.5												✓	✓	✓	✓	✓	✓				
MAN	M 3271												✓									
	M 3275-1														✓		✓	✓	✓	✓	✓	✓
	M 3277	✓	✓	✓	✓	✓																
	M 3377																					
	M 3477												✓									
	M 3575																					
	M 3677													✓								
	M 3775												✓		✓	✓	✓	✓				
Iveco	18-1804 TFE	✓			✓																	
MB	DTFR 15B110 (MB 228.3)															✓		✓	✓	✓	✓	✓
	DTFR 15C100 (MB 228.31)												✓		✓	✓	✓	✓				
	DTFR 15B120 (MB 228.5)	✓	✓	✓	✓	✓							✓									
	DTFR 15C110 (MB 228.51)												✓	✓								
Renault Trucks	RLD	✓	✓																			
	RLD-2	✓	✓	✓	✓	✓							✓		✓				✓	✓		
	RLD-3												✓	✓	✓	✓	✓					
Scania	LDF 3	✓	✓	✓	✓	✓																
	LDF 4																					
	Low Ash												✓									
PJSC Avtodizel (YaMZ)																✓		✓		✓	✓	✓
PJSC KAMAZ																✓		✓		✓	✓	✓
PJSC TMZ																✓				✓	✓	

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit g-energy.org.

Compliance of Gazpromneft engine oils with the requirements of international specifications and equipment manufacturers

Specifications		Gazpromneft Diesel Ultra			Diesel Ultra Plus	Diesel Ultra LA	Diesel Ultra CS	Gazpromneft Diesel Premium				Gazpromneft Diesel Prioritet		Gazpromneft Diesel Extra			Gazpromneft Turbo Universal
SAE viscosity		5W-30	10W-40	15W-40	10W-40	10W-40	10W-40	5W-40	10W-30	10W-40	15W-40	10W-30 10W-40 20W-50	15W-40	10W-40 15W-40 20W-50	40, 50	15W-40 20W-50	
ACEA	E7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
	E4	✓	✓	✓		✓	✓										
	E6					✓		✓									
	E9					✓	✓										
	CD															✓	
API	CF																
	CF-4											✓		✓			
	CH-4				✓	✓		✓	✓	✓	✓	✓			✓		
	CI-4	✓	✓	✓	✓	✓		✓	✓	✓	✓						
	CJ-4																
	CK-4						✓										
	SG													✓			
	SJ											✓		✓			
	SL							✓	✓	✓	✓						
	SN							✓									
Caterpillar	ECF-1a								✓	✓	✓						
	ECF-2							✓	✓	✓	✓						
	ECF-3							✓									
Cummins	CES 20076					✓			✓	✓	✓	✓		✓			
	CES 20077					✓			✓	✓	✓			✓			
	CES 20078	✓	✓	✓	✓				✓	✓	✓	✓					
	CES 20081							✓									
	CES 20086							✓									
Deutz	DQC III								✓	✓	✓	✓					
	DQC IV	✓	✓														
	DQC-III LA							✓									
	DQC-IV LA					✓											
Global	DHD-1	✓	✓	✓	✓				✓	✓	✓	✓					
JASO	DH-1	✓	✓	✓					✓	✓	✓	✓					
	DH-2					✓		✓									
MACK	E0-M Plus								✓	✓	✓						
	E0-N	✓	✓	✓	✓	✓			✓	✓	✓	✓					
	EOS-4.5							✓									
MAN	M 3275								✓	✓	✓	✓	✓		✓		
	M 3277	✓	✓		✓												
	M 3477					✓											
	M 3575							✓									
	M 3775							✓									
MB	DTFR 15B110 (MB 228.3)								✓		✓	✓					
	DTFR 15C100 (MB 228.31)							✓									
	DTFR 15B120 (MB 228.5)	✓	✓		✓												
	DTFR 15C110 (MB 228.51)					✓											
MTU	Cat. 2								✓	✓	✓	✓	✓		✓		
	Cat. 2.1							✓									
	Cat. 3	✓	✓	✓	✓												
	Cat. 3.1					✓											
Renault Trucks	RLD-2	✓	✓	✓	✓	✓			✓	✓	✓	✓					
	RLD-3						✓										
Scania	LDF-3	✓	✓														
Volvo	VDS-3	✓	✓	✓	✓	✓		✓	✓	✓	✓						
	VDS-4.5							✓									
PJSC Avtodizel (YaMZ)		✓	✓		✓	✓	✓	✓	✓	✓		✓		✓		✓	
PJSC KAMAZ		✓	✓		✓	✓			✓	✓	✓	✓		✓		✓	
PJSC TMZ								✓	✓	✓		✓		✓		✓	

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit gazpromneft-oil.ru.

Engine oils

Operating logging equipment is associated with a number of challenging factors and conditions, including poor road conditions (or lack thereof), high humidity, and dusty air in the work area. Therefore, engine oils must have excellent oxidation resistance and good dispersant and cleaning properties. This ensures resistance to low-quality fuel and protection against engine deposits, thereby maximizing the service life of machines and components.

Logging in many regions is conducted in low ambient temperatures, placing additional demands on lubricants for low-temperature properties.

All these and other specific factors were taken into account in the development of G-Profi and Gazpromneft engine oils for heavy-duty diesel engines.





G-Profi GT LA 10W-40

An all-season synthetic engine oil for the most modern diesel engines of trucks and special-purpose vehicles, meeting Euro 5 and 6 emission standards. Its low ash content (low-SAPS) makes it compatible with all exhaust aftertreatment systems. Suitable for use in some gas engines.

SPECIFICATIONS:

MAN M 3271-1; DAF Extended Drain; API CK-4; API CJ-4; ACEA E4; ACEA E6; ACEA E7; ACEA E9; Caterpillar ECF-3; Cummins CES 20081; Detroit Diesel DDC 93K222; Deutz DQC IV-18 LA; JASO DH-2; MAN M 3477; MAN M 3775; MTU Cat. 2.1; MTU Cat. 3.1; MACK EOS-4.5; MACK EO-O PP; Renault Trucks RLD-3; Scania Low Ash; Volvo VDS-4.5; Volvo VDS-4; Cummins CES 20086; DTFR 15C100 (MB 228.31); DTFR 15C110 (MB 228.51); DTFR 15C120 (MB 228.52).

Advantages of G-Profi GT LA 10W-40

	Low-SAPS technology	Low sulfur, phosphorus, and sulfated ash content extends the life of diesel particulate filters.
	Improved cleaning properties	Extended drain intervals reduce lubricant costs.
	High wear protection	Effectively protects engine components under various loads, reducing repair costs.
	High dispersing properties	Reduces the negative impact of soot on the engine, minimizing unscheduled downtime.
	Versatility of application	Applicable to diesel and gas engines of various types of equipment, allowing for unified inventory management.

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit g-energy.org.



G-Profi GTS 5W-30, 10W-40

All-season synthetic energy-saving engine oils for the most modern diesel engines of logging, auxiliary trucks, and special-purpose equipment (up to and including Euro 5) without diesel particulate filters (DPF). They offer excellent cleaning properties and an increased base number.

SPECIFICATIONS:

API CI-4; ACEA E4; ACEA E7; Cummins CES 20078; DAF Extended Drain; Deutz DQC IV-18; Global DHD-1; JASO DH-1; MACK EO-N; MAN M 3277; MTU Cat. 3; Renault Trucks RLD; Renault Trucks RLD-2; Scania LDF 3; Volvo VDS-3; DTFR 15B120 (MB 228.5); Iveco 18-1804 TFE*; Voith Retarder Oil Class A*.

* Only for G-Profi GTS 5W-30.

Advantages of G-Profi GTS 5W-30, 10W-40

	Energy-saving properties	Fuel savings due to reduced friction – lower fuel costs.
	Excellent low-temperature properties	Reliable lubrication at sub-zero temperatures extends engine life.
	High neutralizing properties	Extendable drain intervals reduce lubricant costs.
	Stable viscosity characteristics	Efficient lubrication during operation ensures long-lasting, trouble-free engine operation.
	Reducing the negative impact of soot	Reduced oil thickening in the presence of soot maintains engine efficiency.
	Excellent wear protection	Formation of protective layers on the surface of working parts minimizes unscheduled downtime.

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit g-energy.org.



G-Profi GT 5W-30, 5W-40 , 10W-40

All-season synthetic engine oils with extended drain intervals for use in heavy-duty diesel engines of logging, auxiliary trucks, and special-purpose equipment. They offer enhanced anti-wear properties, excellent thermal-oxidative stability, and maximum soot-reducing properties.

SPECIFICATIONS:

API CI-4; ACEA E4; ACEA E7; Caterpillar ECF-2; Cummins CES 20078; Deutz DQC IV-18; Global DHD-1; JASO DH-1; MACK EO-N; MAN M 3277; MTU Cat. 3; Renault Trucks RLD-2; Scania LDF 3; Volvo VDS-3; DTFR 15B120 (MB 228.5); Caterpillar ECF-1a**; Iveco 18-1804 TFE*.

* Only for 5W-40 and 10W-40.

** Only for 5W-30.

Advantages of G-Profi GT 5W-30, 10W-40



High neutralizing power

Reduced engine deposit formation - superior engine cleanliness.



High anti-wear properties

Effective protection of the cylinder-piston assembly – reduced operating costs.



Excellent high-temperature resistance

Extended drain intervals reduce lubricant costs.



Improved dispersancy properties

Reduced oil thickening by soot maintains the required pressure in the lubrication system.



Excellent anti-corrosion properties

Protects plain bearings for reduced maintenance costs.



G-Profi MSI 10W-40

All-season synthetic SHPD (Super High Performance Diesel) engine oil for use in heavy-duty diesel engines of logging, auxiliary trucks, and special-purpose equipment. It offers enhanced anti-wear properties and protects the engine from deposits.

SPECIFICATIONS:

API CI-4; API SL; ACEA E7; Caterpillar ECF-2; Cummins CES 20076; Cummins CES 20077; Cummins CES 20078; Detroit Diesel DDC 93K215; Deutz DQC III-18; Global DHD-1; Komatsu; MACK EO-M Plus; MACK EO-N; MAN M 3275-1; MTU Cat. 2; Renault Trucks RLD-2; Volvo VDS-3; PJSC KAMAZ; PJSC TMZ; DTFR 15B110 (MB 228.3); PJSC Avtodiesel (YaMZ).

Advantages of G-Profi MSI 10W-40



High base number reserve

Neutralizes acids formed in the combustion chamber, reducing maintenance costs.



Stable oil film

Reliable lubrication of engine parts extends engine life.



Oxidation resistance

Maintaining oil properties throughout the entire oil change interval reduces unscheduled downtime.



Excellent low-temperature properties

Easy engine starting at low temperatures – reduced wear during starting.



High cleaning properties

Clean engine parts mean lower operating costs.



**G-Profi MSI 5W-40,
10W-30**

All-season engine oils with improved low-temperature properties for modern diesel engines of trucks and special-purpose vehicles, compliant with Euro-4 emission standards. Produced using a synthetic base.

5W-40

SPECIFICATIONS:
PJSC Avtodiesel (YaMZ); PJSC KAMAZ; API CI-4; API SL; ACEA E7; MAN M 3275; Volvo VDS-3; DTFR 15B110 (MB 228.3).

10W-30

SPECIFICATIONS:
API CI-4; ACEA E7; Caterpillar ECF-1a; Caterpillar ECF-2; Cummins CES 20077; Cummins CES 20078; Deutz DQC III-18; Global DHD-1; JASO DH-1; Komatsu; MACK EO-N; MAN M 3275; MTU Cat. 2; Renault Trucks RLD-2; Volvo VDS-3; DTFR 15B110 (MB 228.3).



Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit g-energy.org.



**G-Profi MSK 5W-30,
5W-40, 10W-30, 15W-40**

All-season synthetic (SAE 5W-30, 5W-40, 15W-40) and synthetic-technology (SAE 10W-30) engine oils for the latest Euro 5 and 6 emission-compliant engines of trucks, mining equipment, and special-purpose vehicles. Low-ash (low-SAPS) compatibility with all exhaust aftertreatment systems. Suitable for use in some gas engines.

5W-30

SPECIFICATIONS:
API CK-4; API SN; ACEA E6; ACEA E9; Caterpillar ECF-3; Cummins CES 20086; Detroit Diesel DDC 93K222; JASO DH-2; MACK EOS-4.5; MAN M 3677; Renault Trucks RLD-3; Volvo VDS-4.5; Scania LDF 4; DTFR 15C110 (MB 228.51).

5W-40

SPECIFICATIONS:
API CK-4; API CJ-4; API SN; ACEA E9; ACEA E7; Volvo VDS-4.5; Volvo VDS-4; Volvo VDS-3; MACK EOS-4.5; MACK EO-O PP; MACK EO-N; Renault Trucks RLD-3; Renault Trucks RLD-2; Cummins CES 20086; Cummins CES 20081; Deutz DQC III-18 LA; Detroit Diesel DDC 93K218; MTU Cat. 2.1; Caterpillar ECF-3; Caterpillar ECF-2; MAN M3775; JASO DH-2; Ford WSS-M2C171-F1; DTFR 15C100 (MB 228.31).

10W-30

SPECIFICATIONS:
API CK-4; API CJ-4; ACEA E7; ACEA E9; Caterpillar ECF-3; Caterpillar ECF-2; Cummins CES 20086; Cummins CES 20081; Detroit Diesel DDC 93K222; Detroit Diesel DDC 93K218; Deutz DQC III-18 LA; Ford WSS-M2C171-F1; MACK EOS-4.5; MACK EO-O PP; MAN M 3775; MAN M 3575; MAN M 3271-1; MTU Cat. 2.1; Renault Trucks RLD-3; Volvo VDS-4.5; Volvo VDS-4; JASO DH-2; DTFR 15C100 (MB 228.31).

15W-40

SPECIFICATIONS:
API CK-4; API CJ-4; API SN; ACEA E7; ACEA E9; Allison TES-439; Caterpillar ECF-2; Caterpillar ECF-3; Cummins CES 20081; Cummins CES 20086; Detroit Diesel DDC 93K218; Detroit Diesel DDC 93K222; Deutz DQC III-18 LA; Ford WSS-M2C171-F1; JASO DH-2; MACK EO-O PP; MACK EOS-4.5; MAN M 3275-1; MAN M 3575; MAN M 3775; MTU Cat. 2.1; Renault Trucks RLD-3; Volvo VDS-4; Volvo VDS-4.5; DTFR 15C100 (MB 228.31).

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit g-energy.org.



G-Profi FLI 15W-40

All-season synthetic UHPD (Ultra High Performance Diesel) engine oil. Meets API CI-4 and ACEA E4/E7 requirements. Developed to achieve maximum engine performance in specialized equipment.

SPECIFICATIONS:

API CI-4; ACEA E4; ACEA E7; Caterpillar ECF-2; Cummins CES 20078; Deutz DQC III-18; JASO DH-1; Global DHD-1; MACK EO-N4; MTU Cat. 3; Renault Trucks RLD-2; Volvo VDS-3; DTFR 15B120 (MB 228.5).



G-Profi MSI Plus 15W-40

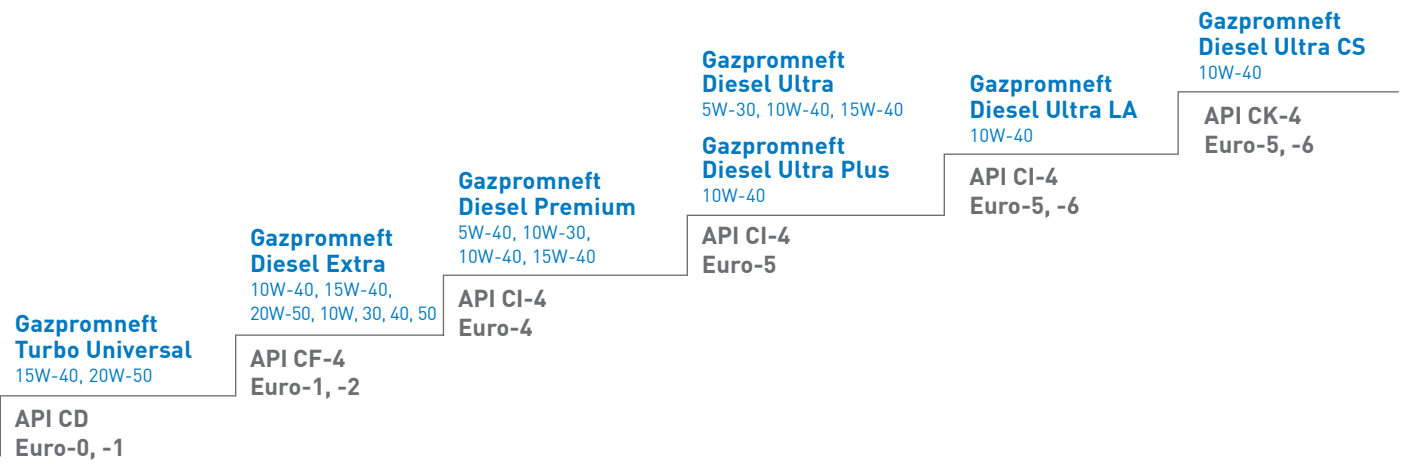
An all-season synthetic SHPD (Super High Performance Diesel) motor oil for use in heavy-duty diesel engines of trucks and special-purpose vehicles. It offers enhanced anti-wear properties and maximum soot reduction.

SPECIFICATIONS:

API CI-4; API SL; ACEA E7; Caterpillar ECF-1a; Caterpillar ECF-2; Cummins CES 20076; Cummins CES 20077; Cummins CES 20078; Detroit Diesel DDC 93K215; Deutz DQC III-18; Global DHD-1; JASO DH-1; Komatsu; MACK EO-N; MAN M 3275-1; MTU Cat. 2; Renault Trucks RLD-2; Volvo VDS-3; PJSC KAMAZ; PJSC TMZ; DTFR 15B110 (MB 228.3); PJSC Avtodizel (YaMZ).



3.2. Gazpromneft Engine Oil Range



Gazpromneft engine oils

Name, SAE viscosity grade	Compatibility with aftertreatment systems		Protection of internal combustion engines from wear	Corrosion protection	Protection against deposit formation	Resistance to sulfur fuel	Protection against soot exposure	Fuel economy*
	EGR + SCR	DPF						
Gazpromneft Diesel Ultra								
5W-30	✓							✓
10W-40	✓							
15W-40	✓							
Gazpromneft Diesel Ultra Plus								
10W-40	✓							
Gazpromneft Diesel Ultra CS								
10W-40	✓	✓						
Gazpromneft Diesel Ultra LA								
10W-40	✓	✓						
Gazpromneft Diesel Premium								
5W-40	✓							
10W-30	✓							✓
10W-40	✓							
15W-40								
Gazpromneft Diesel Extra								
10W-40, 15W-40								
20W-50, 10W, 30, 40, 50								
Gazpromneft Turbo Universal								
15W-40								
20W-50								

* Fuel economy compared to oils of viscosity classes xxW-40.



Gazpromneft Diesel Ultra

A range of all-season synthetic engine oils with increased neutralizing properties for the most modern, highly-powered turbocharged diesel engines from European and American manufacturers, meeting environmental standards up to and including Euro-5 (without DPF).

SAE Viscosities:
5W-30, 10W-40, 15W-40.

5W-30
10W-40

SPECIFICATIONS:
API CI-4; ACEA E4; ACEA E7; JASO DH-1; Global DHD-1; Cummins CES 20078; Deutz DQC IV-18; MACK EO-N; MAN M 3277; MTU Cat. 3; Renault Trucks RLD-2; Scania LDF 3 Volvo VDS-3; DTFR 15B120 (MB 228.5); PJSC Avtodiesel (YaMZ); PJSC KAMAZ; LLC Volzhskie Industrialnye Dvigateli; Iveco 18-1804 TFE*.

* Only for 5W-30.



Gazpromneft Diesel Ultra Plus

This all-season engine oil is based on synthetic technology. The use of synthetic base stocks combined with improved neutralizing properties allows the oil to maintain its performance characteristics for a longer period than ACEA E7 oils. It meets the ACEA E4 performance class and can be used in European vehicles meeting emission standards up to and including Euro 5.

SAE Viscosities:
10W-40.

10W-40

SPECIFICATIONS:
API CI-4; ACEA E4; ACEA E7; Cummins CES 20078; Detroit Diesel DDC 93K215; Global DHD-1; JASO DH-1; MACK EO-N; MAN M 3277; MTU Cat. 3; Renault Trucks RLD-2; Volvo VDS-3; ZF TE-ML 03A; ZF TE-ML 05K; ZF TE-ML 07D; ZF TE-ML 21K; PJSC Avtodiesel (YaMZ); PJSC KAMAZ; DTFR 15B120 (MB 228.5).

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit gazpromneft-oil.ru.



**Gazpromneft
Diesel Ultra LA**

This all-season, universal, fully synthetic engine oil features low-SAPS technology to provide maximum protection for exhaust aftertreatment systems, including diesel particulate filters (DPFs). It is classified as an UHPD (Ultra High Performance Diesel) and is designed for highly turbocharged diesel engines from European and other manufacturers meeting Euro 5 and 6 emission standards.

SAE Viscosities:
10W-40.

10W-40

SPECIFICATIONS:
ACEA E6; ACEA E7; ACEA E9; API CI-4; Cummins CES 20076; Cummins CES 20077; Deutz DQC IV-18 LA; JASO DH-2; MACK EO-N; MAN M 3271-1; MAN M 3477; MTU Cat. 3.1; Renault Trucks RLD-2; Volvo VDS-3; DTFR 15C110 (MB 228.51); PJSC KAMAZ, PJSC Avtodiesel (YaMZ).



**Gazpromneft
Diesel Ultra CS**

This all-season synthetic motor oil is specially formulated for use in modern diesel engines from American, European, and Asian manufacturers operating under severe operating conditions. It is suitable for engines meeting emission standards up to and including Euro-5 and Euro-6 and is compatible with exhaust gas aftertreatment systems, including diesel particulate filters (DPFs). It offers high oxidation stability in accordance with the API CK-4 standard. It outperforms and replaces API CJ-4 oils.

SAE Viscosities:
10W-40.

10W-40

SPECIFICATIONS:
API CK-4; API SN; ACEA E7; ACEA E9; Allison TES-439; Caterpillar ECF-2; Caterpillar ECF-3; Cummins CES 20081; Cummins CES 20086; Detroit Diesel DDC 93K222; Deutz DQC III-18 LA; JASO DH-2; MACK EOS-4.5; MAN M 3575; MAN M 3775; MTU Cat. 2.1; Renault Trucks RLD-3; Volvo VDS-4.5; PJSC Avtodiesel (YaMZ); New Holland CNH MAT 3571; DTFR 15C100 (MB 228.31).



**Gazpromneft
Diesel Premium**

All-season universal synthetic (SAE 5W-40) and semi-synthetic (SAE 10W-30, 10W-40, 15W-40) engine oils are designed for mixed fleets. These SHPD (Super High Performance Diesel) oils are designed for modern high-powered, turbocharged (and non-turbocharged) diesel engines from European, American, and Asian manufacturers. They are designed for engines rated up to Euro-4 and some Euro-5 engines, where API CI-4 and ACEA E7 performance levels are required. They replace API CH-4, CG-4, and CF-4 oils.

SAE Viscosities:
5W-40, 10W-30, 10W-40, 15W-40.

5W-40

SPECIFICATIONS:
API CI-4; API SL; ACEA E7; JASO DH-1; Caterpillar ECF-1a; Caterpillar ECF-2; Cummins CES 20076; Cummins CES 20078; Deutz DQC III-18; Global DHD-1; MACK EO-M Plus; MACK EO-N; MAN M 3275-1; MTU Cat. 2; Renault Trucks RLD; Renault Trucks RLD-2; Volvo VDS-3; PJSC Avtodiesel (YaMZ); PJSC TMZ; DTFR 15B110 (MB 228.3); PJSC KAMAZ.

10W-30

SPECIFICATIONS:
API CI-4; API SL; ACEA E7; Caterpillar ECF-2; Cummins CES 20076; Cummins CES 20077; Cummins CES 20078; Deutz DQC III-18; Global DHD-1; JASO DH-1; MACK EO-M Plus; MACK EO-N; MAN M 3275-1; MTU Cat. 2; Renault Trucks RLD-2; Volvo VDS-3; PJSC KAMAZ; PJSC Avtodiesel (YaMZ); PJSC TMZ.

10W-40

SPECIFICATIONS:
API CI-4; API SL; ACEA E7; JASO DH-1; Caterpillar ECF-1a; Caterpillar ECF-2; Cummins CES 20076; Cummins CES 20077; Cummins CES 20078; Detroit Diesel DDC 93K215; Deutz DQC III-18; Global DHD-1; MACK EO-M Plus; MACK EO-N; MAN M 3275-1; MTU Cat. 2; Renault Trucks RLD-2; Volvo VDS-3; PJSC TMZ; DTFR 15B110 (MB 228.3); PJSC Avtodiesel (YaMZ); PJSC KAMAZ

15W-40

SPECIFICATIONS:
API CI-4; API SL; ACEA E7; JASO DH-1; Caterpillar ECF-2; Cummins CES 20078; Deutz DQC III-18; MACK EO-N; MTU Cat. 2; Renault Trucks RLD-2; Volvo VDS-3; PJSC Avtodiesel (YaMZ); Global DHD-1; MAN M 3275; DTFR 15B110 (MB 228.3); PJSC KAMAZ.



Gazpromneft Diesel Extra 10W-40 and 15W-40, 20W-50 are semi-synthetic and mineral engine oils for diesel engines of the Euro-2 environmental class (or lower) of heavy-duty equipment, where the API CF-4 performance level is required.

SAE Viscosities: 10W-40, 15W-40, 20W-50.

Gazpromneft Diesel Extra 10W, 30, 40, and 50 are seasonal engine oils for low (SAE 10W), moderate (SAE 30), and high ambient temperatures (SAE 40 and 50). They are designed for heavy-duty turbocharged diesel engines and meet environmental requirements up to and including Euro 2.

SAE Viscosities: 10W, 30, 40, 50.

10W-40	SPECIFICATIONS: API CF-4/SG; PJSC Avtodiesel (YaMZ); PJSC KAMAZ; PJSC TMZ.
15W-40	SPECIFICATIONS: API CF-4/SG; PJSC Avtodiesel (YaMZ); PJSC KAMAZ; PJSC TMZ.
20W-50	SPECIFICATIONS: API CF-4/SG; PJSC Avtodiesel (YaMZ); PJSC KAMAZ; PJSC TMZ.
10W	SPECIFICATIONS: API CF-4; API SG; MAN 270; MB 228.0; Volvo VDS; Allison C-4; Caterpillar TO-2.
30	SPECIFICATIONS: API CF-4; API SG; MAN 270; MB 228.0; MTU; Volvo VDS; Caterpillar TO-2; Allison C-4.
40	SPECIFICATIONS: API CF-4; MAN 270; MB 228.0.
50	SPECIFICATIONS: API CF-4; MAN 270; MB 228.0; API CF.



Gazpromneft Turbo Universal 15W-40 and 20W-50 are a series of engine oils developed specifically for all-season use in diesel engines to replace seasonal motor oils M-8DM, M-10DM, M-10G2k, M-10G2, M-8G2k, M-8G2.

SAE Viscosities: 15W-40, 20W-50.

15W-40 20W-50	SPECIFICATIONS: API CD; PJSC Avtodiesel (YaMZ); PJSC TMZ.
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3.3. Engine Oil Classifications

API Classification for Commercial Vehicles

CK-4	This class, introduced in 2016, is based on the API CJ-4 standard with improved antioxidant properties, shear stability, and air release properties. This motor oil meets all modern environmental standards and is compatible with diesel particulate filters (DPFs).
CJ-4	This class was introduced in 2006. Developed to meet the most stringent exhaust emission standards, including compatibility with diesel particulate filters (DPFs). Requires fuel with a sulfur content of no more than 0.0015% by weight (15 ppm). Provides both optimal protection of diesel particulate filters and catalytic systems from deactivation and a high level of engine protection against wear and deposits.
CI-4	This class was introduced in 2002. It is designed for modern heavy-duty diesel engines that meet the more stringent exhaust gas emission standards adopted in 2004. The oil is compatible with engines equipped with exhaust gas recirculation (EGR) systems. It has excellent dispersant, anti-wear, and antioxidant properties that counteract the negative effects of soot. It is approved for use in engines operating on fuel with high sulfur content (up to 0.5% by weight).
CH-4	This class was introduced in 1998. Designed for high-speed diesel engines meeting the exhaust gas emissions requirements adopted in 1998. Provides a high level of protection against wear and corrosion of engine parts, as well as a high level of oxidation resistance. Compatible with engines operating on fuels with high sulfur content (up to 0.5% by weight).
CG-4	This class was introduced in 1994. It is designed for heavy-duty diesel engines in on- and off-highway vehicles. It was developed for engines that meet the exhaust emission requirements introduced in the United States in 1994.
CF-4	This class was introduced in 1990. Designed for high-speed diesel engines. Oils in this class have excellent deposit prevention properties and increased resistance to combustion.
CD	This class was introduced in 1955 and is now considered obsolete. It was developed for older-generation diesel engines equipped with turbochargers and naturally aspirated engines. It has higher requirements for deposit and wear protection compared to previous specifications. Not permitted for use in engines manufactured after 1994.
CC	This class was introduced in 1951 and is now considered obsolete. Designed for older generation diesel engines (including those with moderate turbocharging). Not permitted for use in engines manufactured after 1990.

Specification comparison

● CK-4 ● CJ-4 ● CI-4 ● CH-4 ● CG-4 ● CF-4 ● CD

- ① Protection against cylinder liner polishing

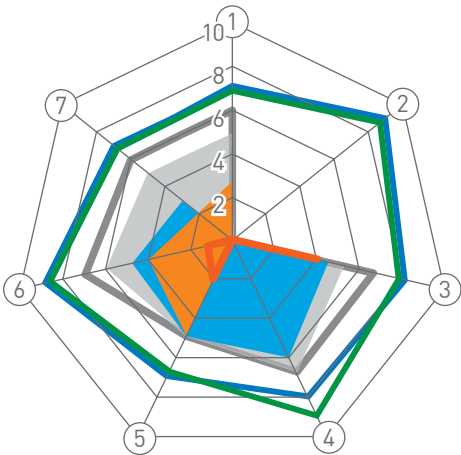
② Compatibility with diesel particulate filters

③ Corrosion protection
- ④ Prevention of oxidation thickening

⑤ Protection against high-temperature deposits

⑥ Protection against soot damage

⑦ Anti-wear properties



JASO Classification for Heavy Duty Diesel Engines

- JASO DH-1** A Japanese class of oils for truck diesel engines offering wear prevention, corrosion protection, oxidation resistance, and resistance to the negative effects of soot. Recommended for engines not equipped with diesel particulate filters (DPFs). Suitable for use in engines running on fuel with sulfur content exceeding 0.05%.
- JASO DH-2** A Japanese class of oils for truck diesel engines equipped with exhaust aftertreatment systems such as diesel particulate filters (DPFs) and catalytic converters. Meets the JASO DH-1 standard for engine protection against wear, deposits, corrosion, and soot.

ACEA Classification for Heavy Duty Diesel Engines

- ACEA E6** Heavy-duty diesel engine oils, manufactured using low-SAPS technology, meet emission standards up to and including Euro 6 and are compatible with diesel particulate filters (DPF). Depending on vehicle manufacturer recommendations, extended drain intervals may be used under normal conditions.
- ACEA E9** Heavy-duty diesel engine oils, manufactured using mid-SAPS technology, meet emission standards up to and including Euro 6 and are compatible with diesel particulate filters (DPF). Standard drain intervals may be used.
- ACEA E4** Heavy-duty diesel engine oils, manufactured using full-SAPS technology, meet emission standards up to and including Euro 5 (engines without diesel particulate filters (DPF)). Depending on vehicle manufacturer recommendations, extended drain intervals may be used under normal conditions.
- ACEA E7** Heavy-duty diesel engine oils manufactured using full-SAPS technology, meeting environmental standards up to and including Euro 5 (engines without diesel particulate filters (DPF)). Suitable for standard drain intervals. Replaces the outdated ACEA E2, E3, and E5 classes.

Mercedes-Benz Engine Oil Specifications

- DTFR 15C110 (MB 228.51)** Oil standard for Mercedes-Benz heavy-duty diesel engines equipped with exhaust gas aftertreatment systems (including DPF). Extended drain intervals are possible (depending on operating conditions). Based on ACEA E6 requirements, plus additional MB testing.
- DTFR 15C100 (MB 228.31)** Oil standard for Mercedes-Benz heavy-duty diesel engines equipped with exhaust gas aftertreatment systems (including DPF). Standard drain interval. Based on ACEA E9 and API CJ-4 requirements, plus additional MB testing.
- DTFR 15B120 (MB 228.5)** Oil standard for Mercedes-Benz UHPD heavy-duty diesel engines. Extended drain intervals are possible (depending on operating conditions). Based on ACEA E4 requirements, plus additional MB testing.
- DTFR 15B110 (MB 228.3)** Mercedes-Benz SHPD heavy-duty diesel engine oil standard with standard drain intervals. Based on ACEA E7 requirements, plus additional MB testing.
- MB-228.1** Mercedes-Benz heavy-duty diesel engine oil standard. Meets ACEA E2 requirements, plus additional MB testing.

Specification comparison

● DTFR 15C110 (MB 228.51) ● DTFR 15C100 (MB 228.31)
● DTFR 15B120 (MB 228.5) ● DTFR 15B110 (MB 228.3) ● MB-228.1

- ① Protection against cylinder liner polishing

② Compatibility with diesel particulate filters

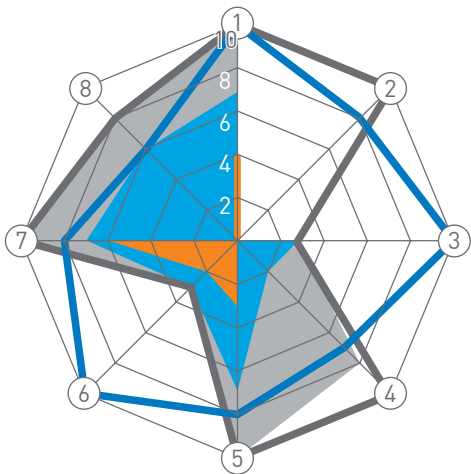
③ Corrosion protection

④ Prevention of oxidation thickening
- ⑤ Protection against high-temperature deposits

⑥ Protection against soot damage

⑦ Anti-wear properties

⑧ Fuel economy



Cummins Engine Oil Specifications

CES 20086	A standard for heavy-duty diesel engine oils equipped with exhaust gas recirculation (EGR) systems. Compatible with diesel particulate filters (DPF). The standard is based on the requirements of API CK-4, plus additional Cummins tests.
CES 20081	A standard for heavy-duty diesel engine oils equipped with exhaust gas recirculation (EGR) systems. Compatible with diesel particulate filters (DPF). The standard is based on the requirements of API CJ-4, plus additional Cummins tests.
CES 20078	A standard for heavy-duty diesel engine oils equipped with exhaust gas recirculation (EGR). Based on the requirements of API CI-4, plus additional Cummins tests.
CES 20077	A standard for heavy-duty diesel engine oils not equipped with an exhaust gas recirculation (EGR) system operating under severe conditions outside North America. Based on ACEA E7 requirements, plus additional Cummins testing.
CES 20076	A standard for heavy-duty diesel engine oils not equipped with an exhaust gas recirculation (EGR) system. Based on API CH-4 requirements, plus additional Cummins testing.
CES 20074	A standard for low-ash oils intended for engines operating on gaseous fuels.

Specification comparison

● CES 20081

● CES 20078

● CES 20077

● CES 20076

① Protection against cylinder liner polishing

② Compatibility with diesel particulate filters

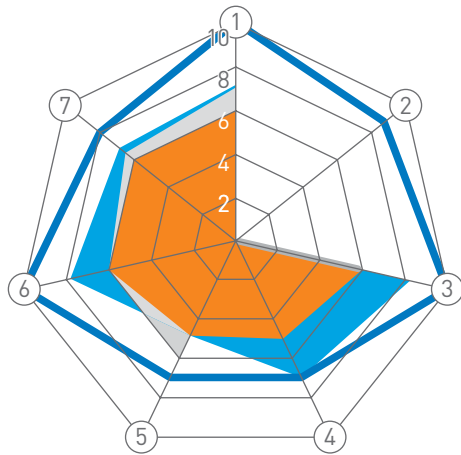
③ Corrosion protection

④ Prevention of oxidation thickening

⑤ Protection against high-temperature deposits

⑥ Protection against soot damage

⑦ Anti-wear properties



Caterpillar Engine Oil Specifications

ECF-3	Low-ash engine oils for the latest Caterpillar engines. Compatible with diesel particulate filters (DPF). Based on API CJ-4 requirements, plus additional Caterpillar tests.
ECF-2	Engine oil class for Caterpillar equipment. Based on API CI-4 requirements, plus additional Caterpillar engine tests.
ECF-1a	Engine oil class for Caterpillar equipment. Based on API CH-4 requirements, plus additional Caterpillar tests.

Volvo Engine Oil Specifications

VDS-4.5	Motor oils with improved antioxidant properties and high-temperature viscosity stability compared to the Volvo VDS-4 specification. Compatible with diesel particulate filters (DPF). Meet API CK-4 performance level.
VDS-4	Low-ash motor oils for the latest Volvo engines, including Tier III. Compatible with diesel particulate filters (DPF). Meet API CJ-4 performance level.
VDS-3	Motor oils for Volvo engines. This specification is based on ACEA E7 requirements, but places additional demands on high-temperature deposit formation and cylinder polishing protection. The specification also requires additional testing on Volvo engines.
VDS-2	Motor oils for Volvo engines. This specification confirms successful completion of field testing on Volvo engines under more stringent conditions.
VDS	Motor oils for Volvo engines. Includes API CD/CE specification requirements and field testing on Volvo engines.

Specification comparison

● VDS-4.5

● VDS-4

● VDS-3

● VDS-2

● VDS

① Protection against cylinder liner polishing

② Compatibility with diesel particulate filters

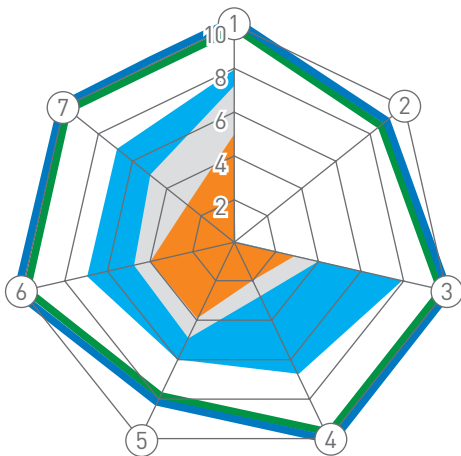
③ Corrosion protection

④ Prevention of oxidation thickening

⑤ Protection against high-temperature deposits

⑥ Protection against soot damage

⑦ Anti-wear properties



Engine oil specifications for MTU engines

Cat. 3.1	Premium-quality, low-ash, multigrade oils (low sulfated ash, sulfur, and phosphorus content). DPF compatible. Extended drain intervals are possible (depending on operating conditions). The specification is based on ACEA E6 requirements.
Cat. 3	Premium-quality, multigrade oils. Extended drain intervals are possible (depending on operating conditions). The specification is based on ACEA E4 requirements.
Cat. 2.1	High-quality, low-ash, multigrade oils (low sulfated ash, sulfur, and phosphorus content). DPF compatible. The specification is based on ACEA E9 and API CJ-4 requirements.
Cat. 2	High-quality, single-grade and multigrade oils. The specification is based on ACEA E5 requirements.
Cat. 1	Standard-quality single-grade and multigrade oils. Specification based on ACEA E2 and API CG-4 requirements.

Specification comparison

● Cat. 3.1 ● Cat. 3 ● Cat. 2.1 ● Cat. 2 ● Cat. 1

- ① Protection against cylinder liner polishing

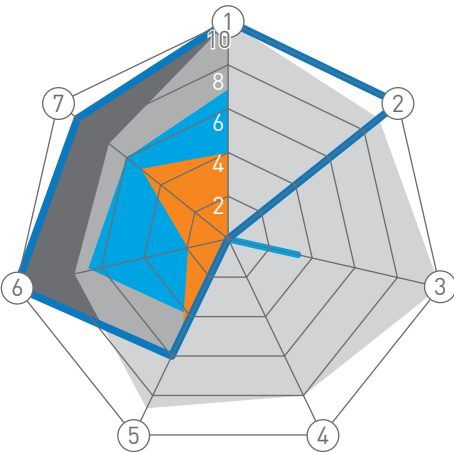
② Compatibility with diesel particulate filters

③ Corrosion protection
- ④ Prevention of oxidation thickening

⑤ Protection against high-temperature deposits

⑥ Protection against soot damage

⑦ Anti-wear properties



Deutz Engine Oil Specifications

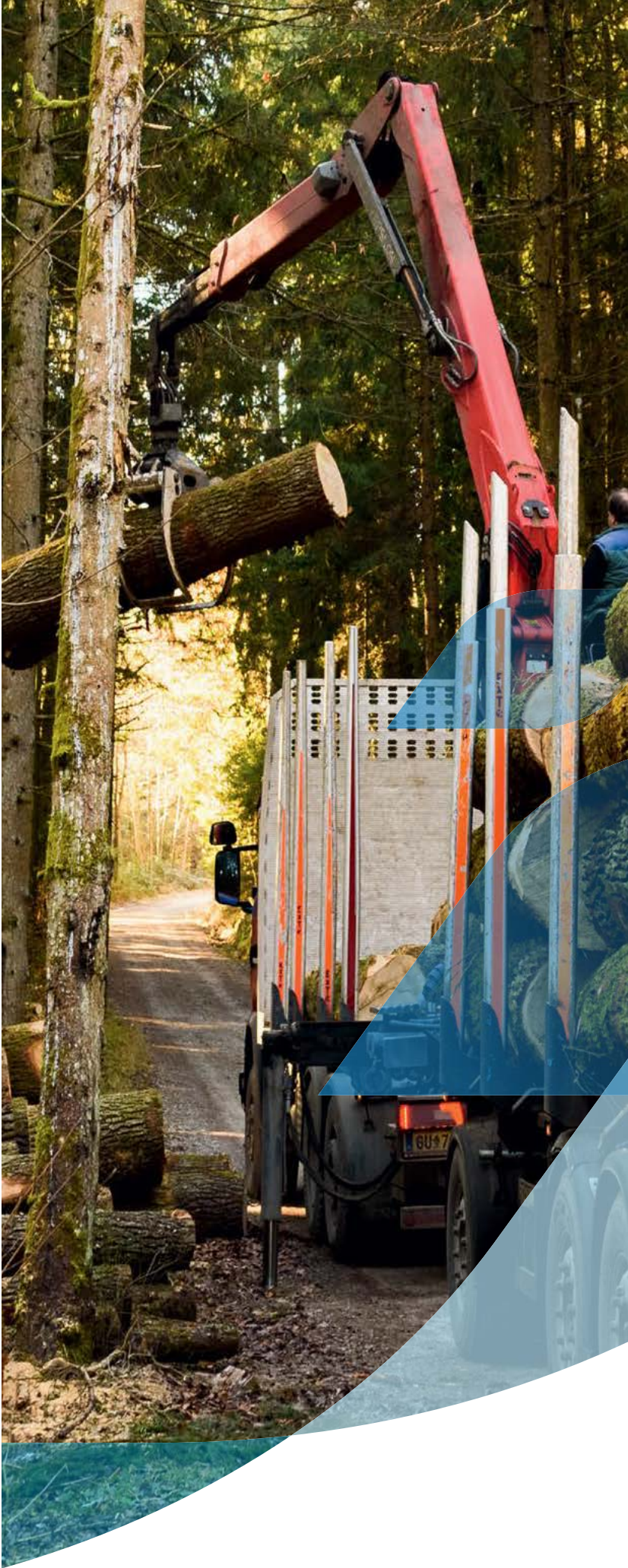
DQC IV LA	Low-ash oils for UHPD diesel engines. In some cases, they meet higher requirements than ACEA for engines with closed crankcase ventilation (CCV) systems and offer enhanced thermal stability under high thermal load conditions.
DQC IV	High-performance UHPD diesel engine oils with closed crankcase ventilation (CCV) systems and/or high thermal load conditions.
DQC III	High-performance engine oils with closed crankcase ventilation (CCV) systems and/or high thermal load conditions.
DQC II	Standard-quality oils with standard drain intervals for engines with open crankcase ventilation (OCV). Meet ACEA E7 requirements, as well as API CH-4 and higher.
DQC I	Standard-quality oils with reduced drain intervals. Meet ACEA E2 and API CF requirements.

Transmission oils

Operating logging equipment off-road places high loads on the suspension, frame, and other structural components, along with uneven and impact loads on transmission components.

To protect working surfaces from mechanical damage, oils must possess significant anti-wear, extreme-pressure, and low-temperature properties. To protect transmissions from water exposure, they must also possess high demulsifying and anti-corrosion properties.

G-Box, G-Truck, and Gazpromneft oils offer the necessary performance characteristics to ensure reliable operation of logging equipment transmissions.



Assortment

	API GL-4	API GL-5	API GL-4/GL-5
Application	Manual transmission and other lightly loaded transmission units. 	Differentials, manual transmission with steel synchronizers or non-synchronized. 	Various transmission units with both non-ferrous metal components and hypoid gears. 
Assortment	G-Truck GL-4 80W-90 G-Truck Z 75W-80 G-Box GL-4 75W-90	G-Truck GL-5 80W-90, 85W-90, 85W-140 G-Box GL-5 75W-90, 75W-140 G-Box Expert GL-5 80W-90 Special oils for LSD differentials: G-Truck LS 80W-90, 85W-90	G-Truck GL-4/GL-5 80W-90 G-Box GL-4/GL-5 75W-90
	Gazpromneft GL-4 75W-85, 75W-90, 80W-85, 80W-90, 90, 140	Gazpromneft GL-5 75W-90, 80W-90, 85W-140, 90, 140 Gazpromneft Super T-3 85W-90	Gazpromneft GL-4/GL-5 75W-90
			

Compatibility with non-ferrous metals

API
GL-5

Name, SAE viscosity grade		Base oil	Wear and scuff protection	Extending the replacement interval	Compatible with LSD clutches*	Load-bearing capacity of oil film	Compatibility with copper alloys	Compliance with additional requirements of manufacturers
API GL-4/ GL-5	G-Box GL-4/GL-5 75W-90							
	G-Truck GL-4/GL-5 80W-90							
API GL-5	G-Box GL-5 75W-90, 75W-140							
	G-Truck GL-5							
	80W-90, 85W-90							
	85W-140							
	G-Truck LS							
	80W-90, 85W-90							
	G-Box Expert GL-5							
	75W-90							
80W-90								
API GL-4	G-Box GL-4 75W-90							
	G-Truck GL-4 80W-90							
	G-Truck Z 75W-80							
G-Box ATF DX II								
G-Box ATF DX III								

Mineral oils

* Limited Slip Differential.



G-Box GL-4/GL-5 75W-90

An all-season, universal transmission oil based on synthetic components (PAO) for passenger cars, heavy trucks, specialty vehicles, and off-road equipment. It can be used in transmission units requiring API GL-4 oil (axle differentials without hypoid gears, synchronized manual transmissions, transfer cases, power take-offs, etc.) as well as in units requiring API GL-5 oil (hypoid gears, non-synchronized manual transmissions, transfer cases, power take-offs, etc.). It offers an extended service life compared to mineral-based oils. Not recommended for use in axles with limited-slip differentials (LSD).



SPECIFICATIONS:

API GL-4; ZF TE-ML 21A; ZF TE-ML 19C; ZF TE-ML 17B; ZF TE-ML 16F; ZF TE-ML 12N; ZF TE-ML 12L; ZF TE-ML 05A; ZF TE-ML 02B; DTFR 12B140 (MB 235.8); API GL-5; API MT-1; ArvinMeritor 076-N; MACK GO-J; MAN 341 Type E3; SAE J2360; Scania STO 1:1 G; Scania STO 2:0 A FS; Volvo 97312; MAN 341 Type Z2; MAN 342 Type S1; PRI GL 1057; MAN M 3343 Type S1; Scania STO 1:0.

The product formula meets the requirements of the specifications Scania STO 1:0; Scania STO 1:1 G; Scania STO 2:0 A FS.

G-Truck GL-4/GL-5 80W-90

An all-season, universal mineral-based transmission oil for heavy-duty trucks, specialty vehicles, and off-road equipment. Designed for transmission applications requiring API GL-4 oil (axle differentials without hypoid gears, synchronized manual transmissions, transfer cases, power take-offs, etc.) and for applications requiring API GL-5 oil (hypoid gears, non-synchronized manual transmissions, transfer cases, power take-offs, etc.). Not recommended for use in axles with limited-slip differentials (LSDs).

SPECIFICATIONS:

ZF TE-ML 07A; ZF TE-ML 08; SAE J2360; Volvo 97321; API GL-4; API GL-5; API MT-1; ArvinMeritor 076-A/D; MACK GO-J; MAN M 3343 Type M; MAN 341 Type E2; MAN 341 Type Z2; MAN 342 Type M2; Scania STO 1:0; Scania STO 1:1 G; ZF TE-ML 02B; ZF TE-ML 05A; ZF TE-ML 12L; ZF TE-ML 12M; ZF TE-ML 16B; ZF TE-ML 17H; ZF TE-ML 19B; ZF TE-ML 21A; DTFR 12B100 (MB 235.0); PJSC Avtodiesel (YaMZ).

The product formula meets the requirements of the Scania STO 1:0; Scania STO 1:1 G specification.



G-Box GL-5 75W-90

All-season synthetic transmission oil for passenger cars, heavy-duty trucks, specialty vehicles, and off-road vehicles. Designed for use in transmissions requiring API GL-5 fluid (hypoid gears, non-synchronized manual transmissions, transfer cases, power take-offs, etc.). Offers an extended service life compared to mineral-based oils. Not recommended for use in axles with limited-slip differentials (LSDs).



SPECIFICATIONS:

API GL-5.

G-Box GL-5 75W-140

A synthetic transmission oil with improved low-temperature properties based on Group IV (PAO) base oils. Designed for heavy-duty hypoid gears in commercial on- and off-road vehicles. It offers highly stable viscosity characteristics, maintaining load-bearing capacity throughout the entire drain interval.

SPECIFICATIONS:

API GL-5; Scania STO 2:0 A; MIL-PRF-2105C; MIL-PRF-2105E; ZF TE-ML 05B; ZF TE-ML 12B; ZF TE-ML 16F; ZF TE-ML 19C; ZF TE-ML 21B.



G-Box Expert GL-5 80W-90

All-season transmission oil for passenger cars, heavy trucks, specialty vehicles, and off-road vehicles. Designed for use in transmissions requiring API GL-5 fluid (hypoid gears, non-synchronized manual transmissions, transfer cases, power take-offs, etc.). Not recommended for use in axles with limited-slip differentials (LSDs).

SPECIFICATIONS:

API GL-5; PJSC AVTOVAZ.

G-Truck GL-5 85W-90

All-season mineral transmission oil for heavy-duty trucks, specialty vehicles, and off-road equipment. Designed for use in transmissions requiring API GL-5 fluid (hypoid gears, non-synchronized manual transmissions, transfer cases, power take-offs, etc.). Not recommended for use in axles with limited-slip differentials (LSDs).

SPECIFICATIONS:

API GL-5; DAF Axle; MAN 342 Type M1; ZF TE-ML 05A; ZF TE-ML 16C; ZF TE-ML 17B; ZF TE-ML 19B; ZF TE-ML 21A; DTFR 12B100 (MB 235.0).

G-Truck LS 80W-90, 85W-90

A series of all-season transmission oils designed specifically for drive axles of heavy-duty trucks, specialty vehicles, and off-road equipment with limited-slip differentials (LSDs). These oils can also be used in other transmission components requiring API GL-5 oils (non-synchronized manual transmissions, transfer cases, power take-offs, etc.).

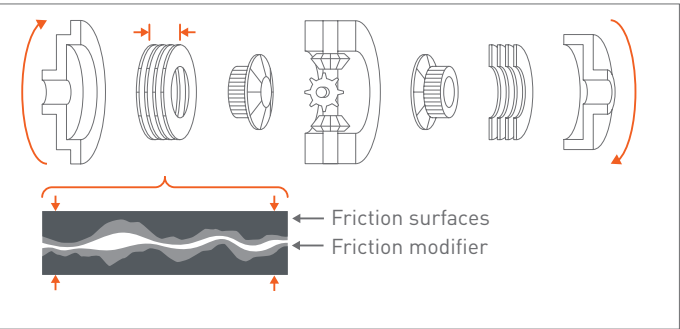


SPECIFICATIONS:

MIL-L-2105C; MIL-L-2105D; API GL-5; ZF TE-ML 05C; ZF TE-ML 12C; ZF TE-ML 21C; ZF TE-ML 16E*.

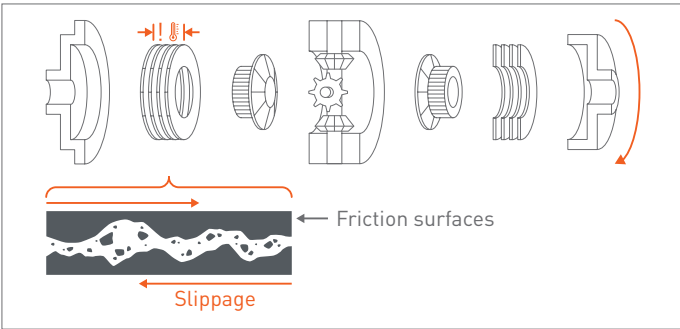
* Only for 85W-90.

Operation of limited slip differentials (LSD)



G-Truck LS

Thanks to friction modifiers, G-Truck LS series oils ensure the normal operation of friction packs of limited slip differentials (LSD).



Regular GL-5 oil

Conventional GL-5 oils (without special friction properties) do not provide the required friction coefficient, which leads to slippage of the friction pack discs under load, their overheating and wear.



API GL-4

G-Box GL-4 75W-90

All-season synthetic transmission oil for passenger cars, heavy-duty trucks, specialty vehicles, and off-road vehicles. Designed for transmission components requiring API GL-4 oil (non-hypoid axle gearboxes, synchronized manual transmissions, transfer cases, power take-offs, etc.). Offers an extended service life compared to mineral-based oils.



SPECIFICATIONS:
API GL-4.

G-Truck GL-4 80W-90

All-season mineral transmission oil for passenger cars, heavy trucks, specialty vehicles, and off-road vehicles. Designed for transmission components requiring API GL-4 oil (non-hypoid axle reduction gears, synchronized manual transmissions, transfer cases, power take-offs, etc.).



SPECIFICATIONS:
API GL-4; MAN 341 Type E1; MAN 341 Type Z2; ZF TE-ML 02B; ZF TE-ML 16A; ZF TE-ML 17A; ZF TE-ML 19A.

G-Truck Z 75W-80

This all-season, fully synthetic, energy-saving transmission oil is designed for manual and automated transmissions in commercial on- and off-highway vehicles manufactured by ZF, such as those found in MAN, DAF, Iveco, and other vehicles, as well as Volvo transmissions. It ensures extended drain intervals in accordance with the manufacturer's requirements.



SPECIFICATIONS:
Renault; API GL-4; Robert Bosch TE-ML 08; ZF TE-ML 13; DAF; Iveco; Volvo 97307; ZF TE-ML 01L; ZF TE-ML 02L; ZF TE-ML 16K; MAN 341 Type Z4.



4.3. Gazpromneft Transmission Oil Range

Name, SAE viscosity grade	Base oil	Wear and scuff protection	Possibility of extending the replacement interval	Load-bearing capacity of oil film	Compatibility with copper alloys	Compliance with additional manufacturer requirements
Gazpromneft GL-4/GL-5 75W-90			✓		✓	
Gazpromneft GL-5						
75W-90, 80W-90						
85W-90						
85W-140, 140						
90						
Gazpromneft Super T-3 85W-90						
Gazpromneft GL-4						
75W-85, 75W-90, 80W-85, 80W-90					✓	
90					✓	
140					✓	

 Synthetic oils

 Semi-synthetic oils

 Mineral oils

 API GL-4/GL-5

Gazpromneft GL-4/GL-5 75W-90

All-season synthetic universal transmission oil. Developed for both transmission units requiring API GL-4 oil (axle differentials without hypoid gears, synchronized manual transmissions, transfer cases, power take-offs, etc.) and units requiring API GL-5 oil (hypoid gears, non-synchronized manual transmissions, transfer cases, power take-offs, etc.). Not recommended for use in axles with limited-slip differentials (LSD). Offers an extended service life compared to mineral-based oils.



SPECIFICATIONS:
API GL-5; API GL-4; API MT-1; MAN 341 Type E2; MAN 341 Type E3; MAN 342 Type M3; MAN 341 Type Z2; MIL-PRF-2105E; SAE J2360; Scania STO 1:0; Scania STO 1:1 G; ZF TE-ML 02B; ZF TE-ML 05A; ZF TE-ML 12L; ZF TE-ML 12M; ZF TE-ML 12N; ZF TE-ML 16B; ZF TE-ML 17B4; ZF TE-ML 19C; ZF TE-ML 21A; PJSC Avtodiesel (YaMZ).

The product formula meets the requirements of the Scania STO 1:0; Scania STO 1:1 G specification.

 API GL-5

Designed for use in transmission units requiring API GL-5 oil (hypoid gears, non-synchronized manual transmissions, transfer cases, power take-offs, etc.). Not recommended for use in axles with limited-slip differentials (LSD).

Gazpromneft GL-5 75W-90

All-season semi-synthetic transmission oil.



SPECIFICATIONS:
PJSC Avtodiesel (YaMZ); API GL-5; MIL-L-2105D; PJSC AVTOVAZ.

Gazpromneft GL-5 80W-90

All-season semi-synthetic transmission oil.

SPECIFICATIONS:
API GL-5; MAN 342 Type M2; MIL-L-2105D; ZF TE-ML 05A; ZF TE-ML 07A; ZF TE-ML 08; ZF TE-ML 12E; ZF TE-ML 16B; ZF TE-ML 17B; ZF TE-ML 19B; ZF TE-ML 21A; PJSC AVTOVAZ.

Gazpromneft Super T-3 (SAE 85W-90)

All-season mineral transmission oil.

SPECIFICATIONS:
API GL-5; MAN 342 Type M1; MB 235.0; ZF TE-ML 16C, 17B, 19B, 21A; PJSC AVTOVAZ; PJSC GAZ.

Gazpromneft GL-5 85W-140

All-season mineral transmission oil. Designed for use in heavy-duty hypoid gears requiring API GL-5 viscosity grade SAE xxW-140.



SPECIFICATIONS:
API GL-5.

Gazpromneft GL-5 90, 140

Seasonal transmission oils for heavy-duty hypoid gears.

SPECIFICATIONS:
API GL-5; ZF TE-ML 07A*; ZF TE-ML 08*.

* Only for 90.

 API GL-4

Designed for transmission units requiring API GL-4 oil (axle reduction gears without hypoid gears, synchronized manual transmissions, transfer boxes, power take-off boxes, etc.).

Gazpromneft GL-4 75W-85, 75W-90
All-season semi-synthetic transmission oils.

**SPECIFICATIONS:**
API GL-4; BAIC*; PJSC AVTOVAZ*.
* Only for 75W-85.

Gazpromneft GL-4 80W-85, 80W-90
All-season semi-synthetic transmission oils.

80W-85 SPECIFICATIONS:
API GL-4; ZF TE-ML 08;
ZF TE-ML 17A; PJSC
AVTOVAZ.

80W-90 SPECIFICATIONS:
API GL-4; ZF TE-ML 08;
ZF TE-ML 16A; ZF TE-ML
17A; ZF TE-ML 19A; PJSC
AVTOVAZ.

Gazpromneft GL-4 90, 140
Seasonal transmission oils.

SPECIFICATIONS:
API GL-4.

Automatic transmission oils Gazpromneft

Name	Base oil	Drain Interval	Deposit Protection	Friction Protection	Viscosity Stability	Low Temperature Properties
Gazpromneft ATF DX III						
Gazpromneft ATF DX II						

 Semi-synthetic oils

 Mineral oils

4.4. API classification for oils intended for mechanical transmissions

- GL-5** Transmission oils containing highly effective extreme pressure additives. They withstand shock loads well, including those in hypoid gears and at high sliding speeds. They are used in axles of modern vehicles. Not intended for manual transmissions with non-ferrous synchronizers.
- GL-4** Transmission oils containing effective extreme pressure additives. They are used in modern manual transmissions, including those with non-ferrous synchronizers. They are ineffective in hypoid gears subject to shock loads (including those in vehicle axles).
- GL-3** Transmission oils containing moderately effective extreme pressure additives. They can be used in lightly loaded manual transmissions and differentials.
- GL-2** Mineral oils containing anti-wear additives. Application conditions are similar to API GL-1, but they withstand higher loads.
- GL-1** Nigrol-based, additive-free mineral oils. Used for light-duty transmissions without synchronizers, spiral bevel gears, and worm gears. This specification is obsolete.



44	Gazpromneft Lubricants	Lubricants for the forestry industry
ZF Transmission Oil Specifications		
TE-ML 01	Manual transmission for trucks.	
TE-ML 02	Manual and automated gearboxes for trucks, buses, light commercial vehicles and special equipment.	
TE-ML 03	Off-road vehicle transmissions.	
TE-ML 04	Marine gearboxes.	
TE-ML 05	Drive axles of off-road vehicles.	
TE-ML 06	Tractor gearboxes and mounted hydraulic systems.	
TE-ML 07	Hydrostatic and electric drive transmissions.	
TE-ML 08	Steering systems (non-power steering) for passenger cars, commercial and off-road vehicles.	
TE-ML 09	Power steering systems for passenger cars, commercial and off-road vehicles.	
TE-ML 11	Manual, dual-clutch and automatic transmissions for passenger cars.	
TE-ML 12	Bridges and wheel supports for buses and trucks.	
TE-ML 14	Powershift automatic transmissions, type Ecomat, for buses, trucks and special purpose vehicles.	
TE-ML 15	Brake systems of special equipment.	
TE-ML 16	Gearboxes and reducers for rail vehicles.	
TE-ML 17	Gearboxes and rear axles of loaders.	
TE-ML 19	Transfer cases - standard and for large axle displacements for trucks, buses and tractors.	
TE-ML 20	Powershift automatic transmissions, type EcoLife, for buses, trucks, special equipment and stationary applications.	
TE-ML 21	Tractor axles, agricultural harvesting machine gearboxes and final transfer mechanisms.	

Hydraulic oils

Hydraulic fluids are the working fluid of many lifting mechanisms (manipulators, booms, tools, etc.), which are indispensable in logging. Therefore, to ensure their reliable operation, oils must meet specific requirements: high oxidation resistance, excellent demulsifying, anti-corrosion, and anti-foam properties. Excellent low-temperature properties are also essential for hydraulic oils to ensure cold starts of the hydraulic system in any weather.

Considering high loads and operating temperatures, contact with water, sawdust, dirt, and dust, and wide daily temperature fluctuations, we offer G-Special and Gazpromneft hydraulic oils, which provide reliable protection and reliability for logging equipment.



5.1. Classification of hydraulic oils

DIN	ISO	GOST	Oil type	Application
H	HH	A	Mineral oils without additives	Older-generation hydraulic systems with gear and piston pumps operating under low pressure.
HL	HL	B	Mineral oils with antioxidant and anti-corrosion additives	For older-generation hydraulic systems with all types of pumps operating at various pressures. The drain interval has been extended compared to the previous category.
HLP	HM	B	HL + anti-wear additives	Modern hydraulic systems with all types of pumps, including those operating at high pressure, where additional anti-wear requirements are required. Suitable for use in positive ambient temperatures (indoor and outdoor use at temperatures above 0°C).
HVLP	HV		HM + Viscosity Modifiers	Modern hydraulic systems with all types of pumps, including those operating at high pressures, where additional anti-wear requirements are required. Suitable for use in a variety of ambient temperatures (including below 0°C).
HVLPD			HV + dispersant or detergent additives	Modern hydraulic systems with all types of pumps, including those operating under high pressure where water, dirt, etc. may enter and where water cannot be drained from the system. Suitable for a wide range of ambient temperatures.

Viscosity is a key parameter for hydraulic oil. It determines numerous performance characteristics, from the load-bearing properties of the oil film to the performance of the hydraulic pump. Incorrect selection of the oil's kinematic viscosity or inadequate consideration of the climatic conditions can lead to hydraulic pump overheating, premature oxidation, and blackening of the oil.

To avoid negative consequences associated with heating and overheating of hydraulic system components, it is important to use hydraulic oil of the viscosity grade appropriate for the climate conditions (in accordance with OEM recommendations) and to adhere to its change intervals.

Kinematic viscosity ranges of ISO classes

ISO viscosity grade	15	22	32	46	68	100
Kinematic viscosity at 40 °C	13,5–16,5	19,8–24,2	28,8–35,2	41,4–50,6	61,2–74,8	90–110



5.2. G-Special hydraulic oil range

Name, ISO viscosity grade		Base oil	Oxidation resistance	Viscosity stability*	Anti-wear properties	Ability to separate water	Water retention capacity	Antifoaming properties	Zinc-free technology	Low temperature properties
G-Special Hydraulic Nord-32										
G-Special Power HVLP ISO VG: 32, 46										
G-Special Hydraulic HVLP ISO VG: 22, 32, 46, 68										
G-Special Hydraulic HVLPD-46										
 Synthetic oils		 Mineral oils								

* The ability of oil to remain in its viscosity class during operation.



G-Special Power HVLP-32, -46

Thanks to their synthetic base stock, these oils offer excellent resistance to oxidation and deposit formation, and effectively protect hydraulic system components from corrosion and cavitation under high loads in a variety of climatic conditions. A state-of-the-art, latest-generation thickener ensures maximum viscosity stability under high mechanical loads and varying operating temperatures throughout the entire oil drain interval.



SPECIFICATIONS:
Fives Cincinnati P-68; ISO 11158 HV; Denison Hydraulics HF-0, -1, -2; Bosch Rexroth RDE 90235; Eaton E-FDGN-TB002-E; DIN 51524 Part 3 (HVLP).



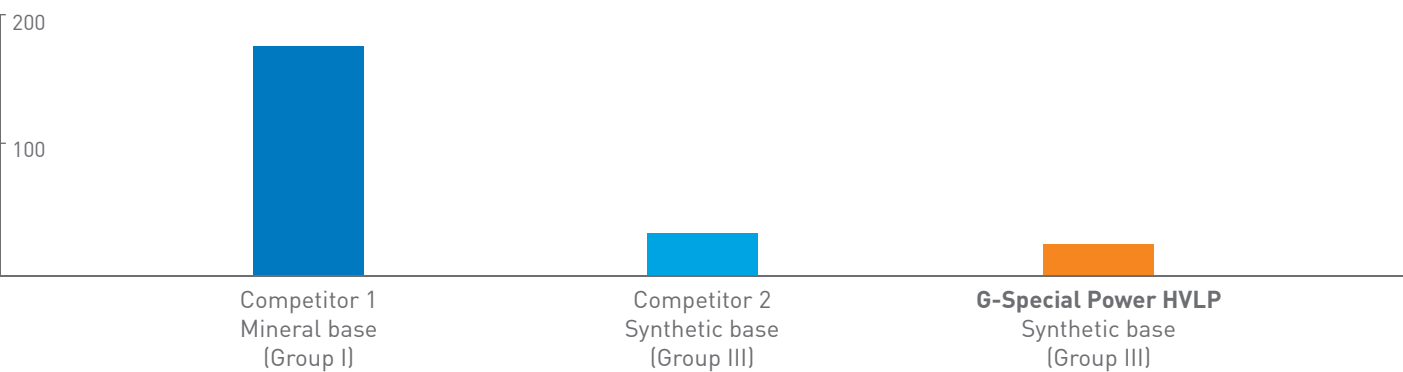
Advantages of G-Special Power HVLP

High oxidation resistance allows for extended drain intervals:

- Reduced lubricant purchase costs.
- Reduced equipment downtime.



Oxidation degree of the sample, Abs·cm⁻¹/mm



Increased efficiency of hydraulic systems.

Calculate the benefits of using G-Special Power HVLP:

- Increased volume of work performed per unit of time/fuel.
- Reduced fuel consumption.



SIGNIFICANT INCREASE IN EFFICIENCY

NEW HIGH-PERFORMANCE HYDRAULIC FLUID –
G-SPECIAL POWER HVLP 32 И 46

РАСЧИТАЙТЕ РАБОЧУЮ ЭКОНОМИЮ! >>

РАСЧИТАЙТЕ ОКУПАЕМОСТЬ ИНВЕСТИЦИЙ! >>

G-SPECIAL



G-Special Hydraulic Nord-32

A hydraulic oil with excellent low-temperature properties based on API Group IV (PAO) and Group V synthetic components. It is designed for use in hydraulic systems of mining, specialty, and off-road equipment operating in harsh climates (e.g., the Far North). Its excellent viscosity-temperature characteristics ensure reliable operation in hydraulic drives. High wear protection, oxidation stability, and filterability maximize the service life of hydraulic systems.

* Except flash point.

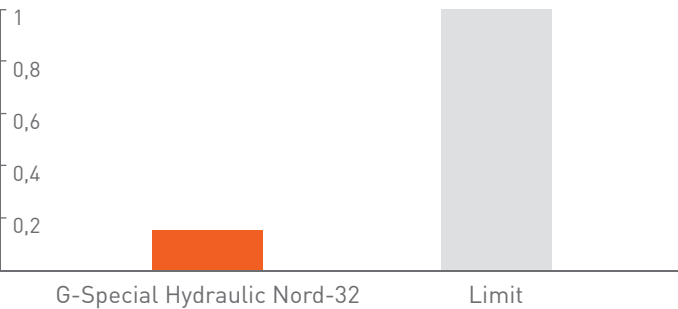


SPECIFICATIONS:
DIN 51524 Part 3 (HVLP)*.

Stability against high temperature oxidation*

High stability against high-temperature oxidation G-Special Hydraulic Nord-32 minimizes deposit formation, improves filterability and anti-corrosion properties.

Acid number, mg KOH/g

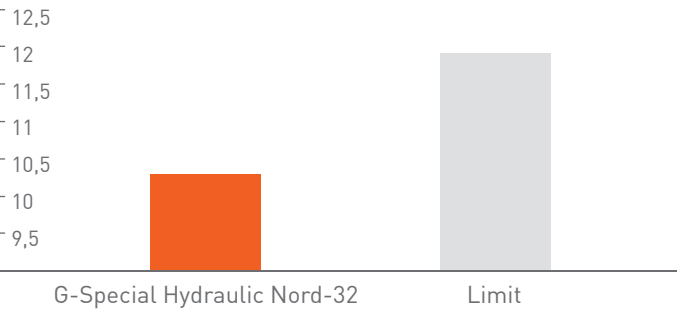


* ASTM D4310 test.

Compatibility with elastomers**

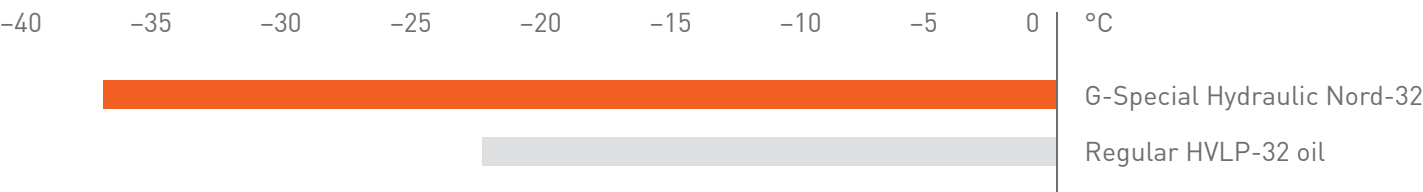
The compatibility of G-Special Hydraulic Nord-32 with seal materials allows for minimal leakage, reducing the volume of refills.

Change in hardness, points



** ISO 6427 test.

Minimum cold start temperature of hydraulic pump*



* Typical temperature at which the maximum starting dynamic viscosity requirements for hydraulic oil for Bosch Rexroth pumps are achieved.

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit g-energy.org.



G-Special Hydraulic HVLP-22, -32, -46, -68

A series of hydraulic oils for all-season use. They ensure the operation of hydraulic systems of forestry and auxiliary equipment, as well as stationary equipment, in both low and high temperatures. These oils allow the hydraulic systems of mobile equipment to operate in a wide range of weather conditions, protect hydraulic system components from wear, and offer high water-air separation properties, as well as excellent antifoam and antioxidant properties.



22 SPECIFICATIONS:
ISO 11158 HV; DIN 51524 Part 3 (HVLP).

32 SPECIFICATIONS:
ISO 11158 HV; Fives Cincinnati P-68; Eaton E-FDGN-TB002-E; DIN 51524 Part 3 (HVLP); Denison Hydraulics HF-0, -1, -2; Bosch Rexroth RDE 90235.

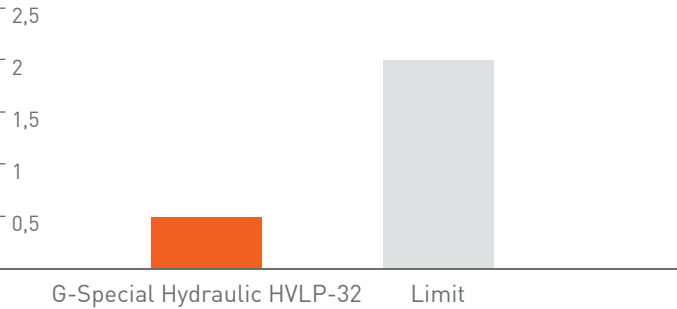
46 SPECIFICATIONS:
ISO 11158 HV; Fives Cincinnati P-70; Eaton E-FDGN-TB002-E; DIN 51524 Part 3 (HVLP); Denison Hydraulics HF-0, -1, -2; Bosch Rexroth RDE 90235.

68 SPECIFICATIONS:
ISO 11158 HV; Fives Cincinnati P-69; Eaton E-FDGN-TB002-E; DIN 51524 Part 3 (HVLP); Denison Hydraulics HF-0, -1, -2; Bosch Rexroth RDE 90235.

Oxidative stability*

The high oxidation stability of G-Special Hydraulic HVLP-32 allows for extended drain intervals.

Acid number, mg KOH/g

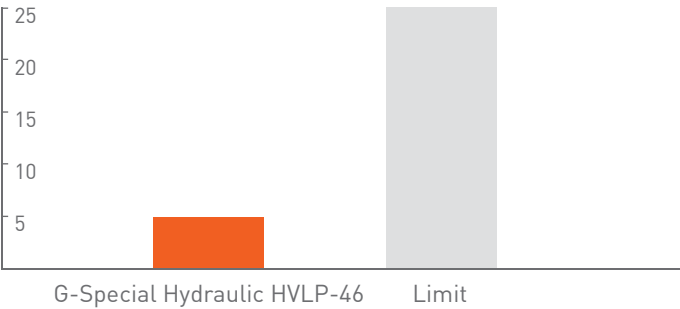


* ASTM D664 test.

Deposits in the hydraulic system**

Excellent resistance to thermal decomposition of G-Special Hydraulic HVLP-46 helps to maintain the service life of hydraulic equipment drives.

Deposits, mg/100 ml



** ASTM D2070 test.



G-Special Hydraulic HVLPD-46

Hydraulic oil for all-season use. Ensures the operation of hydraulic systems of forestry and auxiliary equipment that lack a system for removing water from the hydraulic tank in conditions of heavy flooding and/or contamination. This oil effectively retains water and dirt, preventing them from settling on parts and negatively impacting the hydraulic system.



SPECIFICATIONS:
DIN 51524 Part 3 (HVLP) (except for the "demulsifying properties" indicator
ASTM D1401 [this indicator is not applicable for HVLPD oils]).

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit g-energy.org.

5.3. Gazpromneft hydraulic oil range

Name, ISO viscosity grade			Oxidation resistance	Viscosity stability*	Anti-wear properties	Ability to separate water	Water retention capacity	Antifoaming/ Air Release Properties	Zinc-free technology	All-season use
Gazpromneft Hydraulic Nord-32						✓				
Gazpromneft Hydraulic HVZF ISO VG: 22, 32, 46, 68						✓			✓	
Gazpromneft Hydraulic HVLV ISO VG: 10, 15, 22, 32, 46, 68						✓				
Gazpromneft Hydraulic Standard HVLV ISO VG: 32, 46						✓				
Gazpromneft Hydraulic All Seasons						✓				
Gazpromneft Hydraulic HLP ISO VG: 32, 37, 46, 68, 100						✓				

 Synthetic oils

 Semi-synthetic oils

 Mineral oils



* Stability of oil to remain in its viscosity class during operation.



Gazpromneft Hydraulic Nord-32

A hydraulic fluid with improved low-temperature properties designed for use in hydraulic systems of mobile equipment. Thanks to its excellent low-temperature properties, it ensures hydraulic system start-up in cold climates (including the Far North).

* Besides flash point.



SPECIFICATIONS:
DIN 51524 Part 3*.



Gazpromneft Hydraulic HVZF

A series of all-season synthetic hydraulic oils developed using zinc-free additive technology for use in hydraulic systems typically exposed to both low and high temperatures. The use of synthetic base stocks provides enhanced oxidation stability, enabling extended service intervals. Zinc-free technology provides exceptional protection for non-ferrous metal hydraulic system surfaces.



Zn-FREE

AVAILABLE ISO VG VISCOSITIES: 22, 32, 46, 68.

Specifications

Specifications	ISO viscosity grade			
	22	32	46	68
DIN 51524 Part 3	✓	✓	✓	✓
Denison HF-0, -1, -2		✓	✓	✓
Eaton E-FDGN-TB002-E (35VQ25)		✓	✓	✓
Bosch Rexroth RDE 90235		✓	✓	✓
Fives Cincinnati P-68		✓		
Fives Cincinnati P-69				✓
Fives Cincinnati P-70			✓	

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit gazpromneft-oil.ru.



Gazpromneft Hydraulic HVLP

A series of all-season hydraulic oils designed for use in both low and high temperatures. Due to their extensive performance properties, these oils ensure the operation of mobile equipment hydraulic systems in a wide range of weather conditions, protecting hydraulic system components from wear, deposits, and corrosion.



AVAILABLE ISO VG VISCOSITIES: 10, 15, 22, 32, 46, 68.

Specifications

Specifications	ISO viscosity grade					
	10	15	22	32	46	68
DIN 51524 Part 3 (HVLP)	✓	✓	✓	✓	✓	✓
ISO 11158 HV	✓	✓	✓	✓	✓	✓
Denison HF-0, -1, -2				✓	✓	✓
Eaton E-FDGN-TB002-E				✓	✓	✓
Bosch Rexroth RDE 90235				✓	✓	✓
Fives Cincinnati P-68				✓		
Fives Cincinnati P-69						✓
Fives Cincinnati P-70					✓	
Beltramelli				✓	✓	✓
Sierra T 1000					✓	
UMG's Tver Excavator				✓		



Gazpromneft Hydraulic All Seasons

A hydraulic fluid formulated with G-Base synthetic base stocks and offering an extended operating temperature range from -35 to +70°C compared to standard multigrade oils. The combination of G-Base synthetic base stocks and a highly stable polymer additive delivers improved low-temperature and antioxidant properties. Due to its improved viscosity-temperature characteristics, it can be used as a replacement for multigrade oils of ISO VG 22 and ISO VG 32 viscosity grades.



SPECIFICATIONS:
DIN 51524 Part 3;
ISO 6743-4 HV;
JSC Pneumostroy mashina.



Gazpromneft Hydraulic Standard
HVLP-32, -46

A series of hydraulic oils for all-season use in mobile and stationary equipment operating over a wide temperature range.



SPECIFICATIONS:
DIN 51524 Part 3 (HVLP);
ISO 6743-4 HV.



Gazpromneft Hydraulic HLP-32, -37, -46, -68, -100

A series of single-grade hydraulic oils. These oils ensure the operation of hydraulic systems in stationary woodworking equipment, some logging, and auxiliary machinery. They are particularly suitable for heavy-duty hydraulic systems requiring high viscosity stability throughout the entire oil change interval. Approved by leading hydraulic equipment manufacturers. Use at subzero temperatures is permitted only if recommended by the equipment manufacturer.



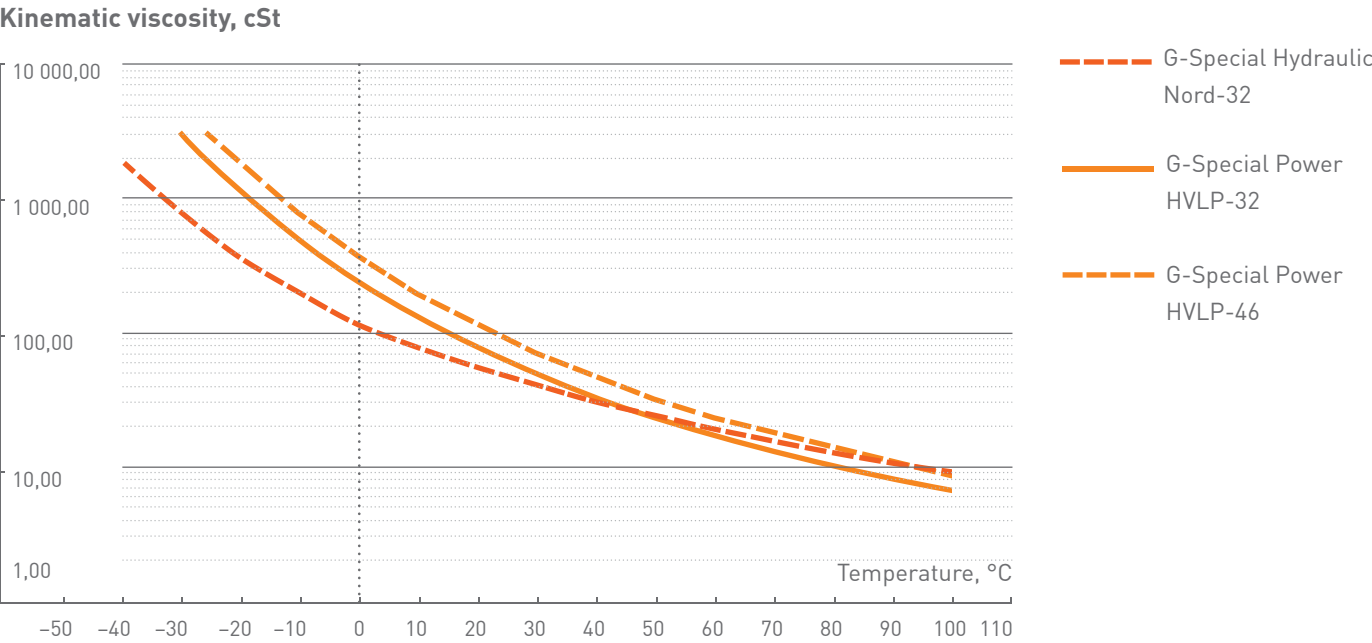
Specifications

Approvals/ Specifications	ISO viscosity grade				
	32	37	46	68	100
Bosch Rexroth RDE 90235	✓		✓	✓	✓
Eaton E-FDGN-TB002-E	✓		✓	✓	✓
Beltramelli	✓		✓	✓	
DIN 51524 Part 2 (HLP)	✓	✓	✓	✓	✓
Fives Cincinnati P-68 (ISO 32), Fives Cincinnati P-69 (ISO 68), Fives Cincinnati P-70 (ISO 46)	✓		✓	✓	
ASTM D6158 HL, ASTM D6158 HM	✓		✓	✓	✓
AIST 126	✓		✓	✓	✓
SEB 181 222	✓		✓	✓	✓
GB 111118.1 L-HL, GB 111118.1 L-HM	✓		✓	✓	✓
ISO 11158 HM	✓		✓	✓	✓
Danieli				✓	
Denison Hydraulics HF-0, -1, -2					✓

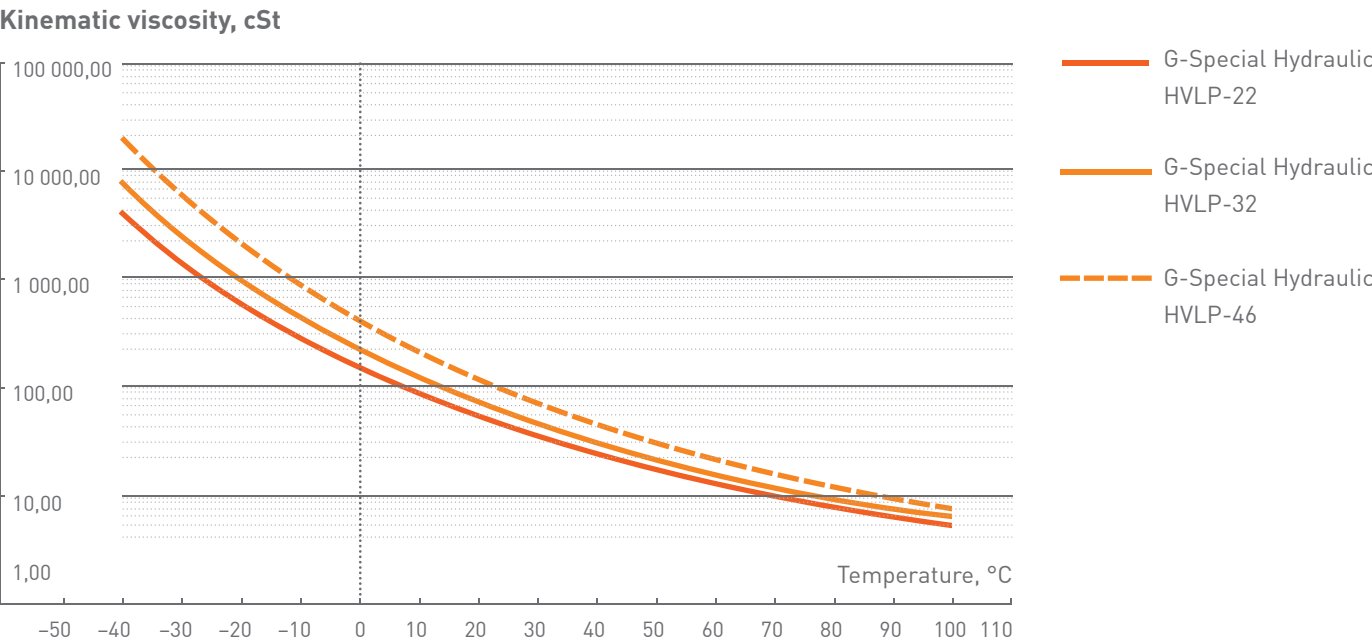
Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit gazpromneft-oil.ru.

5.4. Graph of the dependence of the kinematic viscosity of hydraulic oils on temperature

G-Special Hydraulic Nord-32, G-Special Power HVLP-32, -46

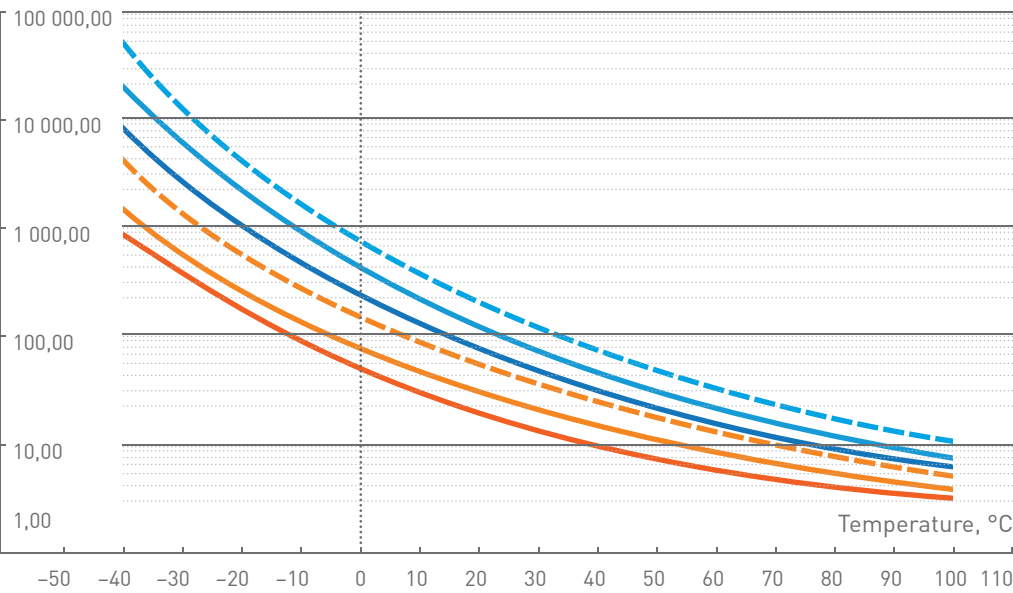


G-Special Hydraulic HVLP



Gazpromneft Hydraulic HVLP

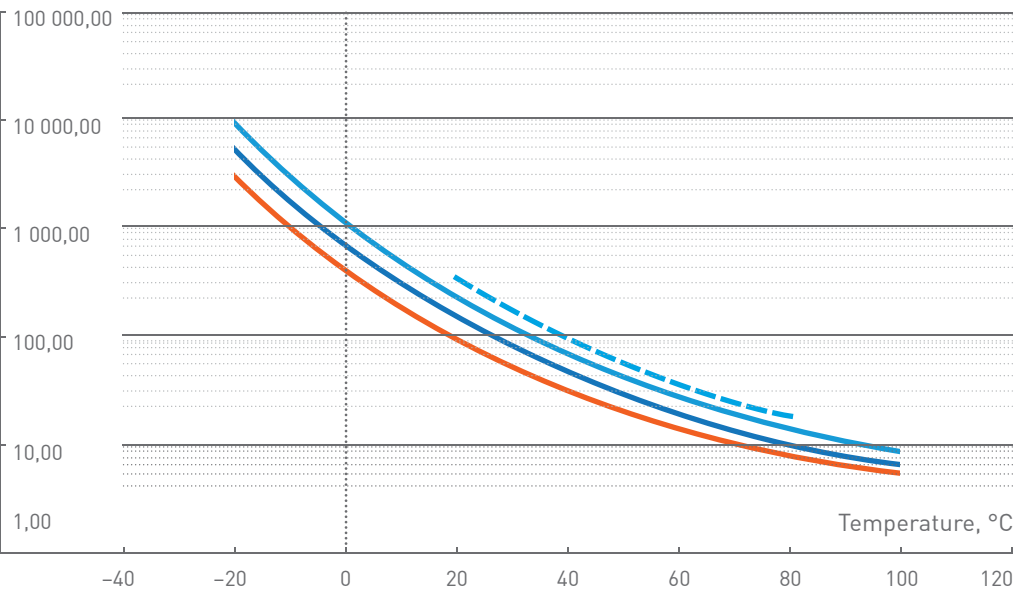
Kinematic viscosity, cSt



- Gazpromneft Hydraulic HVLP-10
- Gazpromneft Hydraulic HVLP-15
- Gazpromneft Hydraulic HVLP-22
- Gazpromneft Hydraulic HVLP-32
- Gazpromneft Hydraulic HVLP-46
- Gazpromneft Hydraulic HVLP-68

Gazpromneft Hydraulic HLP

Kinematic viscosity, cSt

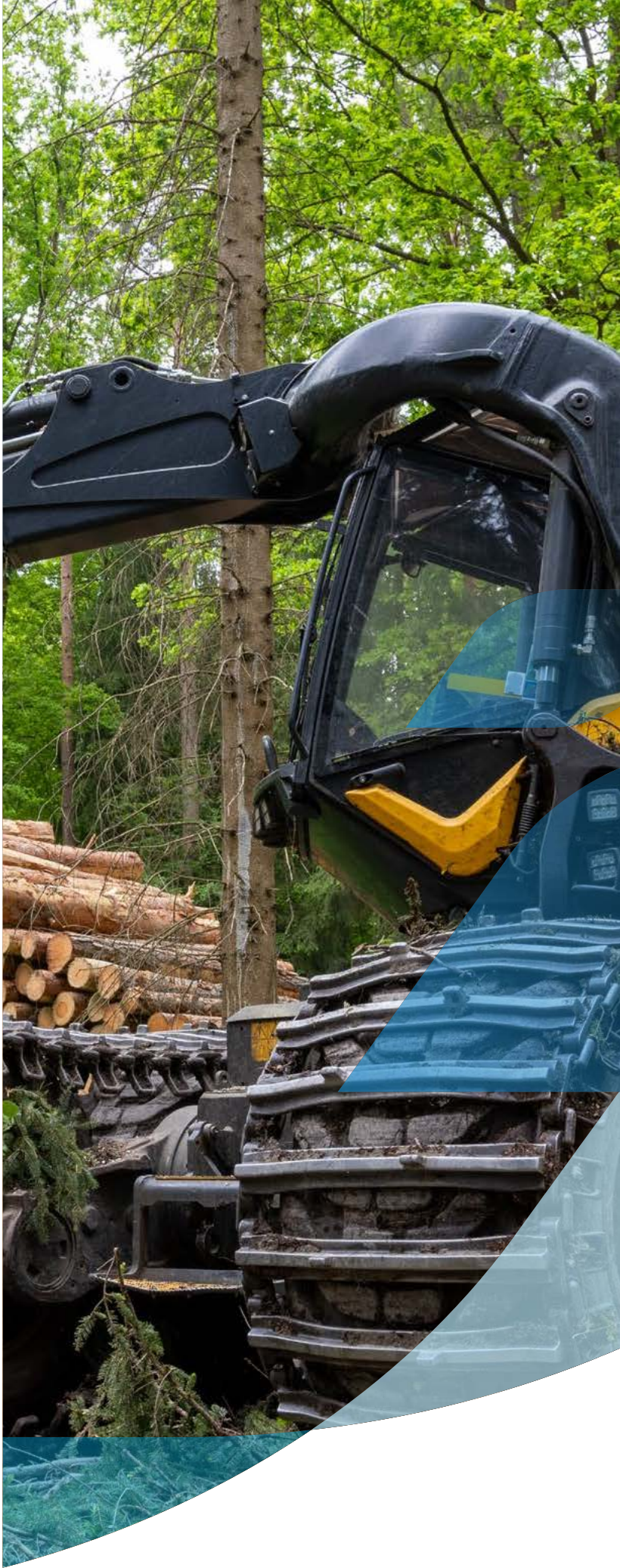


- Gazpromneft Hydraulic HLP-32
- Gazpromneft Hydraulic HLP-46
- Gazpromneft Hydraulic HLP-68
- Gazpromneft Hydraulic HLP-100

Special oils

Modern logging equipment is becoming increasingly productive every year. Design engineers are reducing the size of mechanisms, while increasing the loads they bear. For example, wood sawing chains now move at speeds of several dozen meters per second. Standard oils, such as motor or hydraulic oils, are insufficient to ensure reliable and long-lasting operation of saw chains. Using waste oils drained from equipment components is particularly harmful. Therefore, Gazpromneft-Lubricants develops and manufactures a full line of specialized products for lubricating saw chains under various operating conditions, including winter work in freezing temperatures.

We also offer motor oils for two-stroke engines in chainsaws and other equipment with these types of engines.



6.1. Chain oils

It is not possible to standardize the range of lubricants for sawing mechanisms. Modern sawing mechanisms (especially those installed on harvesters, VPMs, and similar heavy equipment) cannot be equipped with motor, transmission, or hydraulic oils, as they are unable to maintain chain contact at high speeds. Therefore, specialized products—saw chain oils—have been developed.

Therefore, using high-quality, special oils such as G-Garden Chain&Bar and Gazpromneft Chain Oil for sawing mechanisms, which offer maximum adhesion to metal,

the required viscosity, and high anti-corrosion and anti-wear properties, will help maintain the performance of the working tool throughout the season.

Maximum adhesion means the oil film remains firmly attached to the metal surface. This ensures constant protection of the key components of a modern sawing mechanism from contamination, overheating, and excessive wear. This helps extend the service life of saw chains, bars, and sprockets, ultimately reducing equipment downtime.

Advantages of G-Garden Chain&Bar



- Improved penetration into pivot joints.
- Long-lasting oil film and wear protection.
- Excellent chain retention, preventing dry friction.

Advantages of Gazpromneft Chain Oil



- Optimal viscosity reduces oil loss during operation.
- Removes wear debris, sawdust, and dirt from work surfaces.
- Protects against moisture and corrosion.

Advantages of Gazpromneft Chain Oil Nord



- Improved low-temperature properties.
- Reduced lubricant consumption due to improved surface retention.
- Excellent anti-wear properties.

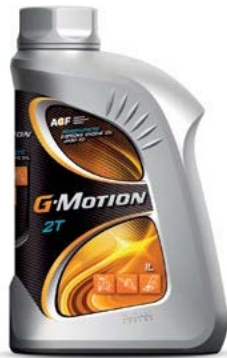
6.2. Oils for two-stroke engines

Chainsaws are primarily equipped with two-stroke internal combustion engines, which are lubricated by oil supplied alongside gasoline. Therefore, oil must have a number of specific properties: good miscibility with gasoline at all temperatures, excellent anti-wear and cleaning properties, minimal ash content, high antioxidant properties, and maximum combustion efficiency.

G-Motion 2T and Gazpromneft Moto 2T products, thanks to their extensive performance properties, successfully meet the lubrication needs of high-, medium-, and low-power two-stroke internal combustion engines.

There is no universal oil-to-gasoline ratio. To prepare the optimal fuel-oil mixture, refer to the operating instructions for your equipment.

G-Motion 2T



Semi-synthetic engine oil. It mixes well with gasoline, has low ash content, and is highly efficient in combustion. Suitable for use at low temperatures.

SPECIFICATIONS:
API TC; ISO-L-EGD; JASO FD.

- Benefits**
- Minimal exhaust smoke.
 - Protection against deposit formation.

Application
Forced two-stroke engines for motor vehicles and hand tools with water and air cooling.



Gazpromneft Moto 2T



Mineral engine oil. Mixes and dissolves well in gasoline, protecting against deposits and wear.

SPECIFICATIONS:
ISO-L-EGB; JASO FB.

Application
Low-powered, light-duty, air-cooled equipment: saws, trimmers, lawn mowers, cultivators, snow blowers, motorcycles, and walk-behind tractors.



G-Wave 2T



Semi-synthetic motor oil. Thanks to its highly complete combustion, it is harmless to aquatic organisms; it dissolves and mixes well with gasoline; and its ashless nature prevents deposits, protects against wear, and prevents corrosion in the presence of water.

Benefits

- Protection in the presence of water.
- Specialized product for outboard motors.
- Protection against deposits.

Application

For water-cooled two-stroke jet ski and outboard motors (Evinrude, Johnson, Kawasaki, Mercury, Nissan, Parsun, Sea-Doo, Selva, Suzuki, Tohatsu, Yamaha).



SPECIFICATIONS:
NMMA TC-W3.

Universal transmission and hydraulic transmission oils

The logging process involves not only harvesters, feller bunchers, forwarders, and skidders, but also various auxiliary equipment (e.g., tractors and loaders). Therefore, the industry as a whole typically uses multi-purpose oils—a single oil is used for the powertrain, hydraulic system, and wet brakes (UTTO or TO-4 oils), and sometimes also for the engine (STOU oils).

Multi-purpose transmission and transmission-hydraulic oils have increased anti-wear and optimal friction requirements. They also have increased demands on detergent, dispersant, and anti-corrosion properties.

Gazpromneft-Lubricants Ltd. offers oils of all these types, which provides the necessary performance reserves.



G-Special universal oils

Name, SAE viscosity grade	Protection against deposit formation	Stability of viscosity properties	Application in transmissions of heavy mining equipment	Possibility of application in internal combustion engines	Low temperature properties
G-Special TO-4 Arctic 0W-20	■■■	■■■	✓		■■■
G-Special TO-4					
5W-30	■■■	■■■	✓		■■■
10W	■■■	■■■	✓		■■■
30, 50	■■■	■■■	✓		■■■
G-Special FD-1 60	■■■	■■■	✓		■■■
G-Special UTTO Premium 10W-30	■■■	■■■			■■■
G-Special UTTO 10W-30	■■■	■■■			■■■
G-Special STOU 10W-30, 10W-40	■■■	■■■		✓	■■■

Gazpromneft universal oils

Gazpromneft UTTO 10W-30	■■■	■■■	✓	■■■
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G-Special STOU 10W-30, 10W-40

- Transmission units
- Hydraulic system
- Friction elements of medium-duty equipment
- Engines for special equipment (subject to manufacturer's recommendations)

A series of all-season, semi-synthetic, universal tractor oils designed for use in internal combustion engines, hydraulic systems, and transmission units of specialty and off-road equipment. They ensure optimal wet brake performance.

SAE viscosity grades: 10W-30, 10W-40.

- ① Transmissions and hydraulic systems of special equipment.
- ② Optimal friction coefficient ensures predictable operation of wet brakes.

SPECIFICATIONS:

API CD; ZF TE-ML 07D*; ZF TE-ML 07B*; ZF TE-ML 06C*; ZF TE-ML 06B*; ZF TE-ML 05K*; Sperry Vickers/Eaton M2950S; Sperry Vickers/Eaton I-280-S; Sauer Sunstrand/Danfoss Hydro Static Trans Fluid; New Holland NH 024C*; MB 228.1*; MB 227.1; Massey Ferguson CMS M1145; Massey Ferguson CMS M1144; MAN 271; John Deere JDM J27; Ford WSS-M2C86B*; Ford WSS-M2C159B/C*; Ford New Holland NH 8209203*; Fiat AF87*; CCMC D4; Caterpillar TO-2; API SF; API SE; API GL-4; API CG-4; API CF-4; API CF; API CE; Allison C-4; ACEA E3; New Holland NH 420A*; New Holland NH 410B*; Massey Ferguson CMS M1139*; Massey Ferguson CMS% M1135*; Massey Ferguson MS M1127A*; Ford ESN M2C 86 B*; Ford ESN M2C 159 B/C*; Ford ESN M2C 134-A*; Ford New Holland NH 82009202*; Ford New Holland NH 82009201*.

* Only G-Special STOU 10W-40.
** Only G-Special STOU 10W-30..

Oils of classes TO-4 and UTTO/STOU are not interchangeable and are used in different equipment.

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit g-energy.org.

Universal oils

G-Special FD-1 60

This transmission oil is designed for use in final drives, differentials, and final drives of Caterpillar off-road equipment. It maximizes transmission component life and meets Caterpillar FD-1 specifications. It provides superior component protection compared to Caterpillar TO-4 oils.

SPECIFICATIONS:
Caterpillar FD-1.



G-Special UTTO 10W-30

- Transmission units
- Hydraulic system
- Friction elements of medium-duty equipment

An all-season transmission and hydraulic oil designed for use in hydraulic systems and transmission units of specialty and off-road equipment. Its optimal friction properties ensure smooth operation of wet brakes and power transmissions.

SPECIFICATIONS:

Massey Ferguson CMS M1143; Massey Ferguson CMS M1145; Allison C-4; API GL-4; New Holland CNH MAT 3525; New Holland CNH MAT 3505; New Holland CNH MAT 3506 (MS 1210); New Holland CNH MAT 3509; Volvo 97303 (WB 101); ZF TE-ML 03E; ZF TE-ML 05F; ZF TE-ML 17E; ZF TE-ML 21F; New Holland CNH MAT 3540; John Deere JDM J20C.



G-Special UTTO Premium 10W-30

- Transmission units
- Hydraulic system
- Friction elements of medium-duty equipment

An all-season semi-synthetic transmission and hydraulic oil designed for use in hydraulic systems and transmission units of specialty and off-road equipment. Its optimal friction properties ensure smooth operation of wet brakes and power transmissions. It offers an extended service life compared to mineral-based oils.

SPECIFICATIONS:

Massey Ferguson CMS M1145; API GL-4; Massey Ferguson CMS M1143; Massey Ferguson CMS M1141; Massey Ferguson CMS M1135; John Deere JDM J20C; Allison C-4; New Holland CNH MAT 3525; New Holland CNH MAT 3540; New Holland CNH MAT 3510 (MS1317 = GL-4); Landini; New Holland CNH MAT 3509; New Holland CNH MAT 3506 (MS 1210); Ford ESN M2C 86 B/C; Ford ESN M2C 134-D; Deutz-Fahr; Fendt (Non Vario); Komatsu; Claas; New Holland CNH MAT 3505; AGCO Q-186 (White Farm); New Holland CNH MAT 3526 (FNHA 2-C-200.00); Volvo 97303 (WB 101); ZF TE-ML 03E; ZF TE-ML 05F; ZF TE-ML 06K; ZF TE-ML 17E; ZF TE-ML 21F; Kubota UDT Fluid; AGCO Powerfluid 821XL; ZF TE-ML 06D; ZF TE-ML 06E% SAME Transmissions; Caterpillar TO-2; Valtra G02-08.



Gazpromneft UTTO 10W-30

- Transmission units
- Hydraulic system
- Friction elements of medium-duty equipm

An all-season transmission and hydraulic oil designed for use in hydraulic systems and transmission units of specialty and off-road equipment. Its optimal friction properties ensure smooth operation of wet brakes and power transmissions.

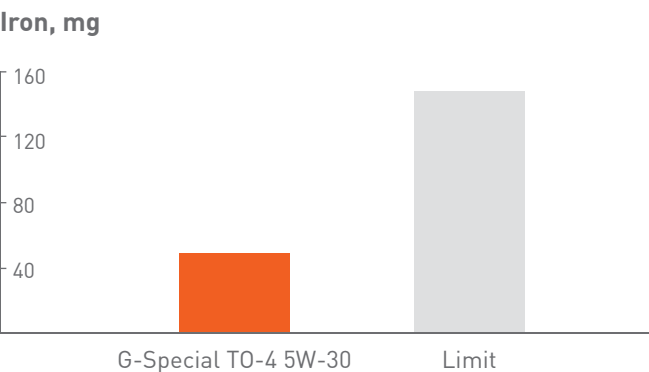
SPECIFICATIONS:

API GL-4; Allison C-4; Ford M2C-134-D; Ford M2C-86-B; Ford M2C-86-C; John Deere JDM J20C; Massey Ferguson CMS M1135; Massey Ferguson CMS M1143.

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit g-energy.org.

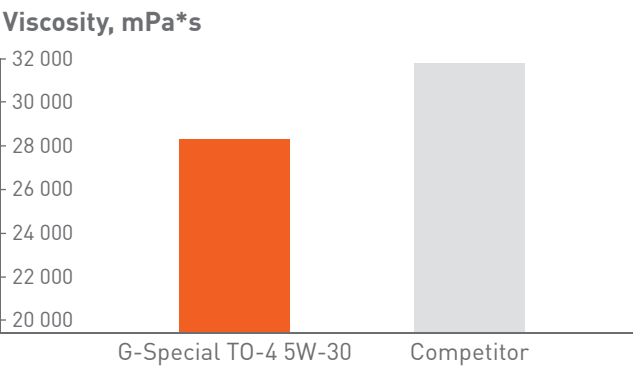
Wear protection*

G-Special TO-4 5W-30 helps minimize gear tooth wear and prolongs their service life.



Low dynamic viscosity at -40 °C**

G-Special TO-4 5W-30 has excellent low temperature properties to ensure efficient operation in low temperature conditions.



G-Special TO-4 5W-30, 10W, 30, 50

- Transmission units
- Hydraulic system
- Friction elements of medium-duty equipment

A series of transmission and hydraulic oils designed for hydraulic systems and transmission units of heavy-duty mining, specialty, and off-road equipment. They offer high and stable friction properties, ensuring efficient operation of heavily loaded wet brakes and torque continuity in transmission units.

SAE viscosity grades: 5W-30, 10W, 30, 50.

VISCOSITIES:

5W-30, 10W, 30, 50

SPECIFICATIONS:

Caterpillar TO-4; Allison C-4; ZF TE-ML 03C; ZF TE-ML 07F (5W-30, 30, 50); Komatsu KES 07.868.1 (10W, 30, 50); Komatsu KES 07.871 (5W-30).



G-Special TO-4 Arctic 0W-20

- Transmission units
- Hydraulic system
- Friction elements of medium-duty equipment

A synthetic transmission and hydraulic oil (based on API Group IV component—PAO) designed for use in hydraulic systems and transmission units of heavy-duty mining, specialty, and off-road equipment. It has high and stable friction properties, ensuring efficient operation of heavily loaded wet brakes and torque continuity in transmission units. It maintains its performance at low temperatures, ensuring operation of equipment in harsh climates.

SPECIFICATIONS:

Caterpillar TO-4; Allison C-4; Komatsu Micro-Clutch; Eaton E-FDGN-TB002-E.

Plastic lubricants

Forestry equipment operates in harsh conditions, where components are exposed to water, dust, sawdust, high loads, and wide temperature fluctuations. High-quality greases are essential for protecting these friction components.

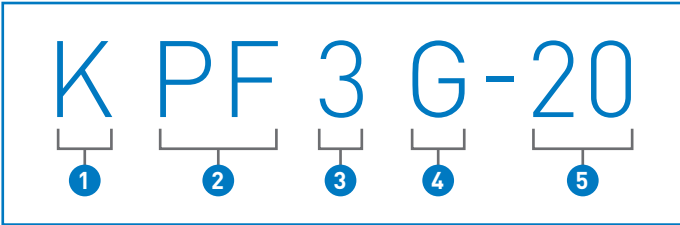
Gazpromneft-Lubricants offers a wide range of products manufactured using modern technologies and specialized additives and fillers.



8.1. Main Classifications of Plastic Lubricants

Classification of plastic lubricants according to DIN 51502

According to this classification, plastic lubricants have a code that reflects their basic properties: composition, area and temperature range of application, and other characteristics that allow you to select the material of interest.



1 Purpose of plastic lubricant

K	For rolling and plain bearings, sliding planes according to DIN 51825
G	For enclosed gears according to DIN 51826
OG	For open gears
M	For bearing/seal pairs

2 Composition (base oil, additives, etc.)

P	EP additive
F	Solid filler
E	Polyester oil
FK	Perfluorocarbon fluid
HC	Synthetic hydrocarbons
PH	Phosphoric acid ester oil
PG	Polyglycol oil
SI	Silicone oil
X	Other oils

3 NLGI class

NLGI Grade	Penetration at 25°C	Consistency	Application
000	445–475	Very soft - similar to viscous butter	Enclosed gear drives / centralized lubrication systems
00	400–430		
0	355–385		
1	310–340	Soft	Enclosed gear drives / plain bearings / rolling bearings / centralized lubrication systems
2	265–295	Soft	Plain bearings / rolling bearings / linear guides / centralized lubrication systems
3	220–250	Semi-hard	Plain bearings / rolling bearings
4	175–205	Solid	Rolling bearings/water pump seals
5	130–160	Very hard	Open gears/water pump seals
6	85–115		

Plastic lubricants

4 Terms of use

Designation	Upper operating temperature limit, °C	Water washout resistance at [°C] according to DIN 51807*
C	60	0 at 40 °C or 1 at 40 °C
D		2 at 40 °C or 3 at 40 °C
E	80	0 at 40 °C or 1 at 40 °C
F		2 at 40 °C or 3 at 40 °C
G	100	0 at 90°C or 1 at 90°C
H		2 at 90°C or 3 at 90°C
K	120	0 at 90°C or 1 at 90°C
M		2 at 90°C or 3 at 90°C
N	140	No requirements
P	160	
R	180	
S	200	
T	220	
U	>220	

* 0 — no change; 1 — minor change; 2 — moderate change; 3 — major change.

5 Lower temperature range of application

The minimum temperature at which the plastic lubricant reliably performs its functions at the corresponding operating temperature is indicated.

8.2. Gazpromneft's range of plastic lubricants

Physicochemical characteristics	Method	Gazpromneft Grease L EP 00	Gazpromneft Grease L EP 0	Gazpromneft Grease L EP 1	Gazpromneft Grease L EP 2	Gazpromneft Grease L EP 3	Gazpromneft Premium Grease EP 00	Gazpromneft Premium Grease EP 0	Gazpromneft Premium Grease EP 1	Gazpromneft Premium Grease EP 2	Gazpromneft Grease L Moly EP 2
Compliance with DIN 51502 standard	DIN 51502	KP 00 K-30	KP 0 K-30	KP 1 K-30	KP 2 K-30	KP 3 K-30	KP 00 N-50	KP 0 N-50	KP 1 P-40	KP 2 P-40	KPF 2 K-30
NLGI grade	ASTM D217	00	0	1	2	3	00	0	1	2	2
Operating temperature range, °C	from –30 to +120*						from 0 to +140		from 0 to +160		from –30 to +120*
Color	Visually	Brown				Light brown				Blue	Dark gray
Thickener type	Lithium Soap						Lithium Complex Soap				Lithium Soap
Filler type	—						—				Molybdenum disulfidea
Dropping point, °C	GOST 32322 GOST 6793 ASTM D 2365	>170	>170	>180	>180	>190	not normal	>210	>250	>250	>180
Base oil	Mineral						Semi-synthetic				Mineral
Kinematic viscosity of base oil at 40 °C, mm²/s	GOST 33	160				100				160	
Welding load on a 4-ball friction machine (not less than), N	GOST 9490	2 450				3 479				3 087	
Wear on a 4-ball friction machine, wear spot diameter, mm	GOST 9490	0,5				0,5				0,4	

Gazpromneft Grease Premium HD	Gazpromneft Grease LTS 1		Gazpromneft Grease LTS 2	Gazpromneft Grease LTS Moly EP 2	Gazpromneft Grease Reduc-tor LTS EP 00	Gazpromneft Grease LX EP 1		Gazpromneft Grease LX EP 2	Gazpromneft OffRoad Grease CS 2	Gazpromneft Grease Synth LX EP 2	Gazpromneft Grease Nord Moly	
KPF 2 N-25	KP 1 K-30	KP 2 K-30	KPF 2 K-30	GP 00 K-40	KP 1 P-30	KP 2 P-30	KP 2 S-30	KPHC 2 N-50	KPF 0 K-50			
2	1	2	2	00	1	2	2	2	0			
from -25 to +150	from -30 to +120*		from -30 to +120*	from -40 to +120*	from -30 to +160		from -30 to +200	from -50 to +150	from -50 to +120*			
Gray	Brown		Dark gray	Amber	Blue		Brown **	Light Beige	Dark gray			
Lithium Complex Soap	Lithium-Calcium Soap		Lithium-Calcium Soap	Lithium-Calcium Soap	Lithium Complex Soap		Calcium Sulfonate	Lithium Complex Soap	Lithium Complex Soap			
Molybdenum disulfide	—		Molybdenum disulfide	—	—		—	—	Molybdenum disulfide			
>250	>180		>180	>160	>250		>300	>250	>210			
Mineral	Mineral		Mineral	Mineral	Mineral		Mineral	Synthetic	VHVI			
320	220		220	600	220		460	—	20			
5 508	2930		4 136	4 136	3 479		4 136	3 283	4 136			
0,5	0,6		0,5	0,7	0,6		0,5	0,6	0,6			

* Short-term exposure up to +150°C.
** When exposed to water and moisture, the grease's color becomes lighter.

8.3. Plastic Lubricants with Improved Properties

Harsh operating conditions require high-quality lubricants and regular maintenance. To facilitate routine maintenance and extend the life of forestry and auxiliary machinery components, we offer a range of greases with improved performance properties (compared to typical mineral oil-based greases with lithium thickeners).

Range of plastic lubricants

Name	Base	Thickener	Temperature Range, °C	Features
Gazpromneft Grease Synth LX EP 2		Lithium complex	-50 to +150, up to +200 with continuous lubrication	 
Gazpromneft Premium Grease EP 00, 0, 1, 2		Lithium complex	-50 to +140 (for NLGI 0 and 00), -40 to +160 (for NLGI 1 and 2)	
Gazpromneft Grease Premium HD		Lithium complex + MoS ₂ filler	-25 to +150	 
Gazpromneft OffRoad Grease CS 2		Calcium sulfonate	from -30 to +200	  
Gazpromneft Grease LX EP 2		Lithium complex	-30 to +160	
Gazpromneft Grease LTS 2		Lithium-calcium	-30 to +120, short-term up to +150	
Gazpromneft Grease LTS Moly EP 2		Lithium-calcium	-30 to +120, short-term up to +150	
Gazpromneft Grease Nord Moly		Lithium complex + MoS ₂ filler	-30 to +120, short-term up to +150	  

 Synthetic oils (PAO)

 Synthetic oils (VHVI)

 Mineral oils

 Semi-synthetic oils

 Bearings

 -50 °C

 5,500 N

 Extreme Loads

 Water Resistance

 Specially designed for the forestry industry

 High-load ACLS

 ACLS only

 Guides

To reliably protect the mechanisms of logging equipment, the properties of mineral oil- and lithium-soap-based greases are not always sufficient. Therefore, with an understanding of the operating conditions of logging equipment, Gazpromneft-Lubricants offers a range of products that can protect such equipment under any conditions.

Coolants and brake fluids

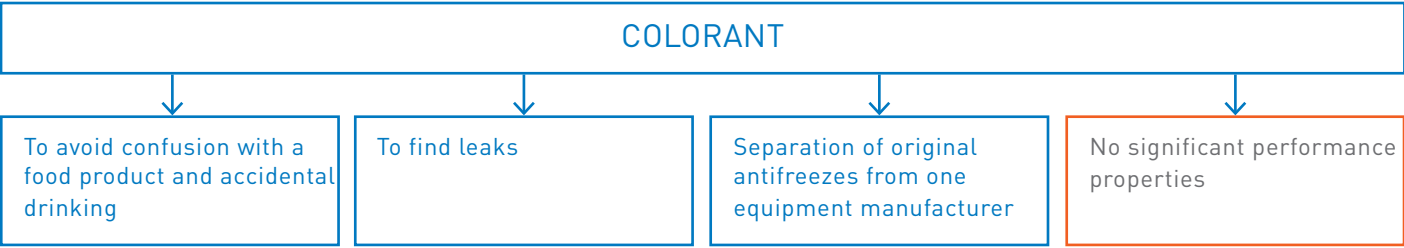
One of the main cooling system problems encountered during operation of heavy-duty engines in logging and auxiliary equipment is cavitation wear of cylinder liners and water pumps, which can cause failure of the entire powertrain. Cavitation is a common problem among many companies that use low-quality or improperly selected coolants.

Gazpromneft-Lubricants coolants include exclusively ethylene glycol-based products containing multifunctional additives of various technologies: carboxylate (OAT), lobrid (X-OAT), hybrid (Hybrid), or traditional (IAT)—depending on the coolant type.

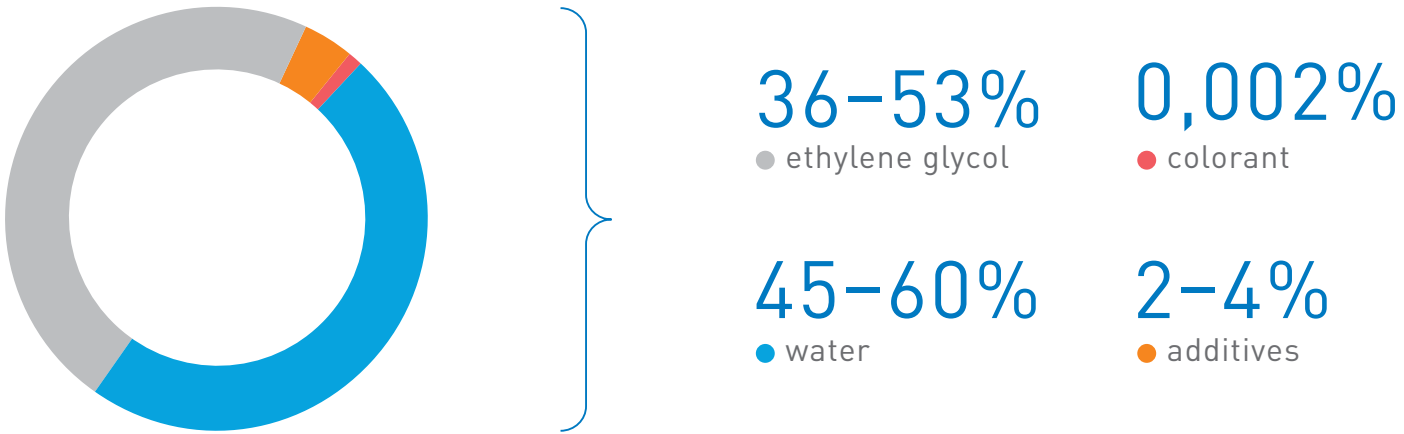


9.1. What you need to know about antifreeze

1 **Color.** The source of antifreeze color is a colorant.



2 **Composition of high-quality antifreeze**



ETHYLENE GLYCOL

Provides:

- increased boiling point;
- lowered crystallization temperature;
- protection of cooling systems from freezing.

! According to OEM specifications, the presence of aliphatic alcohols (methanol, ethanol, etc.) is not permitted—they are corrosive, pose a fire hazard, and impair heat dissipation. Methanol is aggressive toward a number of sealing materials used in the automotive industry.

ADDITIVE PACKAGE

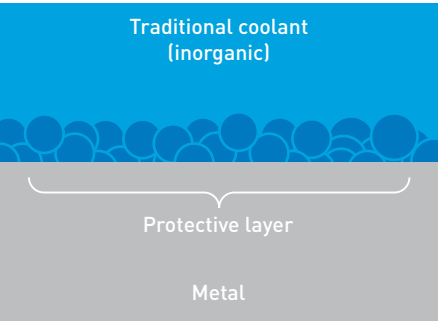
Protection against:

- corrosion and cavitation;
- water pump or radiator leaks;
- thermostat defects.

! Due to the wide variety of combinations of metals, alloys, and polymer materials in cooling systems of equipment from different manufacturers, different additive packages are required, making it impossible to create a universal antifreeze.

3 Main types (technologies) of additives

Traditional Technology (IAT)

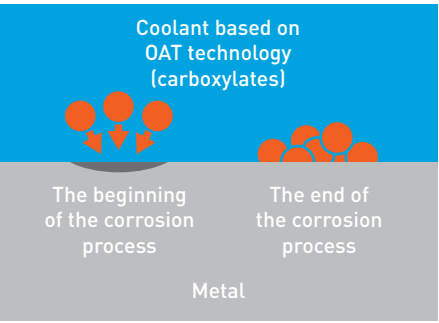


Covering the entire cooling system with a protective layer of significant thickness (several microns), reliably protects the liners from cavitation.



- + Coating the entire cooling system with a protective layer of significant thickness (several microns) protects the liners from corrosion.
- Rapid additive consumption, sediment formation, reduced heat transfer, and low protective layer stability in modern internal combustion engines due to high coolant flow rates.

Carboxylate technology (OAT)

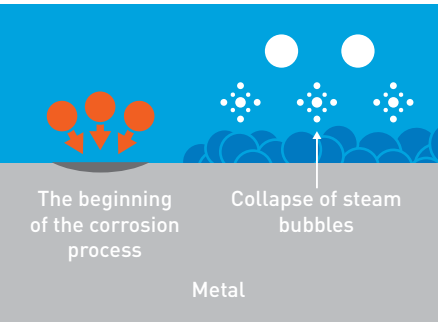


Formation of a protective layer only in the areas where corrosion occurs, slow consumption of additives, increased service life.



- + The coating forms only at corrosion sites. Slow additive consumption, extended service life.
- High cost. Not compatible with all polymer materials found in older equipment.

Hybrid and lobrid technologies



Inorganic additives protect the metal from cavitation by forming a protective layer, while organic additives are activated at the points where corrosion occurs, thereby ensuring reasonable consumption of corrosion inhibitors.



- + They combine the positive features of traditional and carboxylate technologies.
- The service life of this type of antifreeze is slightly shorter than that of carboxylate technology.

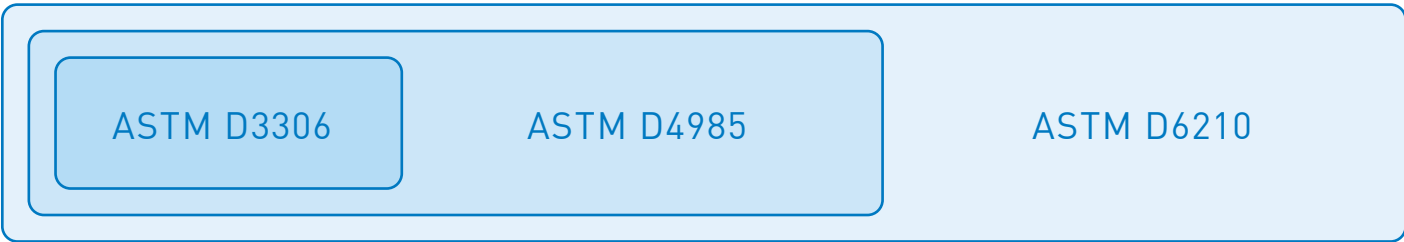
● Inorganic Corrosion Inhibitors
● Organic Corrosion Inhibitors

4 Basics of antifreeze classification

The most popular industrial ASTM standards

ASTM D3306	Basic level of properties. Mild operating conditions. Coolants compliant with ASTM D3306 can be produced using any technology (OAT, IAT, Hybrid, Lobrid).
ASTM D4985	ASTM D3306 + additional tests. Severe operating conditions. Coolants compliant with ASTM D4985 can be produced using any technology. Complements the requirements of ASTM D3306. Improved corrosion protection.
ASTM D6210	ASTM D4985 + additional cavitation protection for wet liners in some internal combustion engines. Severe operating conditions. The production technology for coolants compliant with ASTM D6210 can be any. This supplements the requirements of ASTM D4985.

Basic classification



OEM specification/tolerance = **ASTM Dxxxx** + additional OEM requirements.

Equipment manufacturer (OEM) requirements using the example of Caterpillar ELC (EC-1)

ASTM D3306	Additional requirements and tests
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Internal combustion engine manufacturers are more familiar with the design features of their cooling systems (for example, the very intense cavitation of "wet" cylinder liners), so they often impose additional requirements on antifreeze. Industry standards (ASTM) set minimum requirements for coolants.

9.2. G-Energy antifreeze range

Name	Production Technology	Compliance with Industry Standards ASTM	Color	Application
G-Energy Antifreeze SNF	OAT	ASTM D4985	Red	Light and heavy-duty applications. Light-duty and high-power engines. Meets DAF, MTU, and Volvo Trucks requirements.
G-Energy Antifreeze		ASTM D3306	Green	Easy operating conditions for domestically produced vehicles. Meets the requirements of KAMAZ, LIAZ, PAZ, GAZ, and NEFAZ.
G-Energy Antifreeze NF	Hybrid	ASTM D4985	Blue-green	For light and heavy-duty applications. Meets Liebherr, MWM, and Volvo Trucks requirements.
G-Energy Antifreeze Si-OAT			Purple	Light and heavy-duty applications. Meets Cummins CES 14603, Deutz, Liebherr, Mercedes-Benz, and MTU requirements.
G-Energy Antifreeze HD	Lobrid	ASTM D4985 ASTM D6210	Purple	For light and heavy-duty applications. Enhanced cavitation protection. Meets Caterpillar CAT EC-1, Cummins, and Detroit Diesel requirements.



G-Energy Antifreeze SNF

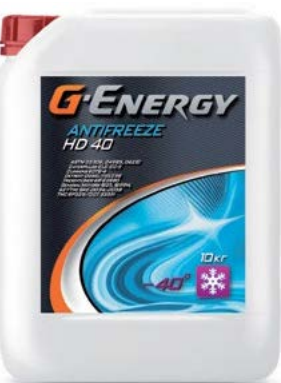
Ethylene glycol-based coolant concentrate and ready-to-use products are produced using OAT technology (organic acid salt corrosion inhibitor). OAT antifreezes are widely used in engines from European and Japanese manufacturers, including MTU, Mercedes-Benz, and MAN. They are also suitable for Komatsu, Volvo, and Hitachi equipment (according to manufacturer requirements, consult the manual before use).

PRODUCT TYPES:

- G-Energy Antifreeze SNF is a coolant concentrate for dilution.
- G-Energy Antifreeze SNF 40 is a ready-to-use coolant with a freeze protection temperature of -40°C, a 50:50 solution of concentrate and water by volume.

SPECIFICATIONS:

MB 325.3; MTU MTL 5048; MWM 2091/15; MAN 324 SNF; VW/ Audi/Seat/Skoda TL 774-D/F (G-12/G-12+); Bentley TL 774-D/F; DAF MAT 74002; Deutz QDC CB-14; Jaguar (built as from 1999); Lamborghini TL 774-D/F; MINI Cooper D (built as from 2007); Porsche (built as from 1996); Ford WSS-M97B44-D; Great Wall; Fiat; Case New Holland; Claas; Caterpillar; MWM (Deutz Power Systems) 0199-99-2091; GE Jenbacher TA 1000-0200; Deutz 0199-99-1115; DDC Power Cool Plus; GM 6277 M; Wärtsilä 32-9011; John Deere JDM H5; Komatsu KES 07.892; Liebherr MD1-36-130; Mazda; Isuzu; Volvo VCS 418-0001; ASTM D3306; ASTM D4985; ASTM D6210; ASTM D7583; BS 6580:2010; KSM 2142; JASO M325; JIS K2234; AS 2108-2004; SAE J1034; AFNOR SNF R15-601; ÖNORM V 5123; CUNA NC 956-16; SANS 1251:2005; SH 0521-1999; CHINA GB 29743.



G-Energy Antifreeze HD

This ethylene glycol-based coolant concentrate and ready-to-use product is produced using lobrid technology (a corrosion inhibitor based on organic acid salts, nitrites, and molybdates). Antifreezes produced using lobrid technology are widely used in heavy-duty engines (HD) of American manufacturers such as Caterpillar and Cummins. They are also suitable for JCB equipment (according to manufacturer requirements, consult the operating manual before use).

PRODUCT TYPES:

- **G-Energy Antifreeze HD** — coolant concentrate for dilution.
- **G-Energy Antifreeze HD 40** — ready-to-use coolant with a freeze protection temperature of -40°C, a 50:50 solution of concentrate and water by volume.

SPECIFICATIONS:

Caterpillar ELC (EC-1); Cummins 90T8-4; Detroit Diesel 7SE298; Freightliner 48-22880; General Motors 1825, 1899M, 6277M; ASTM D6210; ASTM D3306; ASTM D4985; SAE J1034; J1038; TMC RP329; GOST 33591-2015.



G-Energy Antifreeze Si-OAT

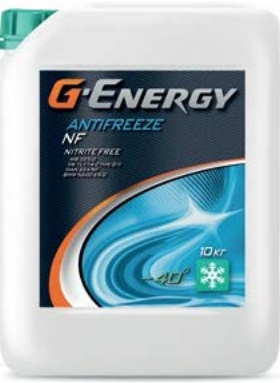
A concentrate and ready-to-use ethylene glycol-based coolant. Produced using lobrid technology, it does not contain nitrites, amines, phosphates, or borates. G-Energy Antifreeze Si-OAT is widely used in engines from European manufacturers, including Mercedes-Benz, Cummins, and others (according to manufacturer requirements, consult the owner's manual before use).

PRODUCT TYPES:

- **G-Energy Antifreeze Si-OAT** is a coolant concentrate.
- **G-Energy Antifreeze Si-OAT 40** is a ready-to-use coolant with a freeze protection temperature of -40°C, a 50:50 solution of concentrate and water by volume.

SPECIFICATIONS:

VW TL 774-G (G12++); Cummins CES 14603; MAN 324 Si-OAT; MB 325.5; MTU MTL 5048; ASTM D3306, D4985; GOST 33591-2015; BMW LC 18.



G-Energy Antifreeze NF

Ethylene glycol-based coolant concentrate and ready-to-use products are produced using hybrid technology (a corrosion inhibitor based on organic acid salts and silicates). Hybrid antifreezes are widely used in engines from European manufacturers, including Liebherr, MTU, Mercedes-Benz, MAN, and Deutz (according to manufacturer requirements, consult the operating manual before use).

PRODUCT TYPES:

- **G-Energy Antifreeze NF** is a coolant concentrate for dilution.
- **G-Energy Antifreeze NF 40** is a ready-to-use coolant with a freeze protection temperature of -40°C, a 50:50 solution of concentrate and water by volume.

SPECIFICATIONS:

MB 325.0; Deutz DQC CA-14; MAN 324 NF; Jenbacher TA-Nr. 1000-0201; Liebherr Machines Bulle TLV 035; Liebherr Machines Bulle TLV 23009 A; Porsche 924, 928, 944, 968; Saab 6901599; General Motors B 040 0240; BMW N 600 69.0; Ford; General Motors; Iveco; VW TL 774-C (G-11); ASTM D3306; ASTM D4985; AS 2108-2004; ÖNORM V 5123; CUNA NC 956-16; SANS 1251:2005; BS 6580-2010; GOST 33591-2015.



G-Energy Antifreeze

Concentrated and ready-to-use ethylene glycol-based coolant. Produced using carboxylate technology, it is free of silicates, nitrites, amines, phosphates, and borates.

PRODUCT TYPES:

- **G-Energy Antifreeze** is a coolant concentrate.
- **G-Energy Antifreeze 40** is a ready-to-use coolant with a freeze protection.
- **G-Energy Antifreeze 65** is a ready-to-use coolant with a freeze protection temperature of -65°C, a 65:35 solution of concentrate and water by volume.

SPECIFICATIONS:

PJSC AVTOVAZ; GAZ Automobile Plant LLC; PJSC KAMAZ; PJSC Avtodiesel (YaMZ); UAZ; ASTM D3306; ASTM D4340 BS 6580-2010; GOST 33591-2015.

9.3. Gazpromneft antifreeze range

Name	Production technology	Compliance with ASTM industry standards	Color	Application
Gazpromneft ANTIFREEZE SF 12+	OAT	ASTM D4985	Red	For light and heavy-duty use. Complies with Mercedes-Benz and MTU requirements.
Gazpromneft ANTIFREEZE HYBRID	Hybrid	ASTM D3306 ASTM D4985	Blue-green	For light and heavy-duty applications. Meets MTU, MAN, MB, and Deutz requirements. Recommended for use in Chinese vehicles in accordance with Chinese standard GB 29743.
Gazpromneft ANTIFREEZE BS		ASTM D3306	Green	Easy operating conditions for domestic and foreign equipment during the post-warranty period.
Gazpromneft ANTIFREEZE	Traditional	ASTM D4985 ASTM D6210	Red	Light and heavy-duty applications. Enhanced cavitation protection. Meets Caterpillar, Cummins, Detroit Diesel, Freightliner, and John Deere requirements.
Gazpromneft TOSOL			Blue	Used in various equipment during the post-warranty period.



Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit gazpromneft-oil.ru.



GAZPROMNEFT ANTIFREEZE SF12+

Ethylene glycol-based coolant concentrate and ready-to-use coolant are produced using OAT technology (organic acid salt corrosion inhibitor). Antifreezes produced using OAT technology are widely used in engines for special-purpose equipment from European and Japanese manufacturers, including MTU, Mercedes-Benz, and MAN. They are also suitable for Komatsu, Hitachi, and Volvo equipment (according to manufacturer requirements, consult the operating manual before use).

PRODUCT TYPES:

- **Gazpromneft ANTIFREEZE SF12+** — coolant concentrate for dilution.
- **Gazpromneft ANTIFREEZE SF12+ 40** — coolant with a freeze protection temperature of –40°C, a 50:50 solution of concentrate and water by volume.
- **Gazpromneft ANTIFREEZE SF 12+ 60** — coolant with a freeze protection temperature of –50°C, a 60:40 solution of concentrate and water by volume.

SPECIFICATIONS:

MB 325.3; MAN 324 TYP SNF; VW TL 774-F (G12+); FORD WSS-M97B44-D; John Deere; JIS K2234; Volvo Penta; Great Wall; Fiat; Case New Holland; Claas; NFR 15-601; Caterpillar; KSM 2142; JASO M325; ASTM D3306; ASTM D4985; Afnor NF R15-601; BS 6580-2010; SAE J1034; ГOST 33591-2015.



Gazpromneft ANTIFREEZE Hybrid

Concentrate and ready-to-use coolant based on ethylene glycol, carboxylic acid salts, and silicates (hybrid type). Suitable for use in Chinese vehicles, including those manufactured in accordance with Chinese standard GB 29743. Widely used in engines from MTU, Mercedes-Benz, MAN, Deutz, and other manufacturers (according to manufacturer requirements, consult the operating manual before use).

PRODUCT TYPES:

- **Gazpromneft ANTIFREEZE Hybrid** is a coolant concentrate for dilution.
- **Gazpromneft ANTIFREEZE Hybrid 40** is a coolant with a freeze protection temperature of –40°C, a 50:50 solution of concentrate and water by volume.

SPECIFICATIONS:

Afnor R15-601; AS 2108-2004; ASTM D3306; ASTM D4985; BMW N 600 69.0; BMW LC-87; BS 6580-2010; CUNA; NC 956-16; Deutz DQC CA-14; Ford; GM B 040 0240; Iveco T18-1804 Classe T3 E4; MAN 324 NF; MB 325.0; MTU; MTL 5048; ONORM V 5123; VW TL 774-C (G-11); Seat; Skoda; Audi; Mitsubishi; Porsche 924, 928, 944, 968; Saab; 6901599; SANS 1251:2005; China GB 29743.

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit gazpromneft-oil.ru.



Gazpromneft ANTIFREEZE (BS)

Concentrated and ready-to-use ethylene glycol-based coolant. Produced using traditional technology and inorganic acid salts (an additive package containing nitrites). This series of coolants is used in engines from American and Russian manufacturers, including Caterpillar, Cummins, and KAMAZ vehicles (according to manufacturer requirements, consult the operating manual before use).

PRODUCT TYPES:

- **Gazpromneft ANTIFREEZE (BS)** — coolant concentrate for dilution.
- **Gazpromneft ANTIFREEZE (BS) 40** — coolant with a freeze protection temperature of -40°C , a 50:50 solution of concentrate and water by volume.

SPECIFICATIONS:

ASTM D3306; ASTM D4985;
GOST 33591-2015; China GB 29743.



Gazpromneft ANTIFREEZE

Concentrated and ready-to-use ethylene glycol-based coolant. Produced using traditional technology and inorganic acid salts (a low-silicate additive package containing nitrites). This series of coolants is used in Caterpillar and Cummins engines, and is also suitable for KAMAZ vehicles (according to manufacturer requirements, consult the operating manual before use).

PRODUCT TYPES:

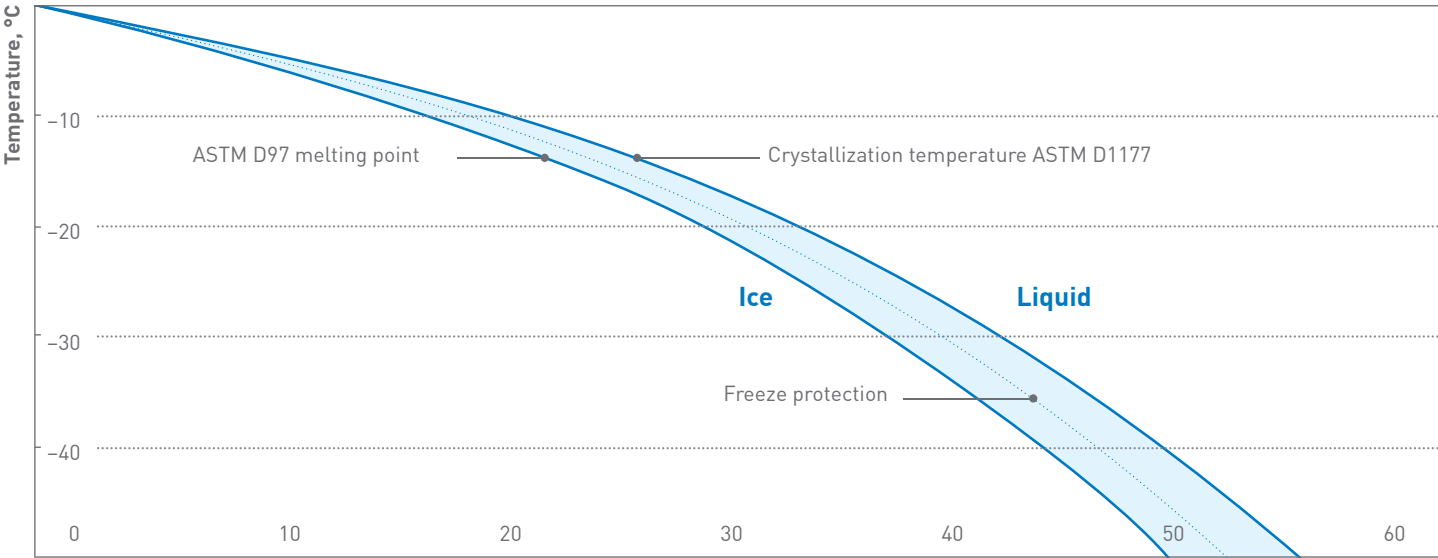
- **Gazpromneft ANTIFREEZE** — coolant concentrate for dilution.
- **Gazpromneft ANTIFREEZE 40** — coolant with a freeze protection temperature of -40°C , a 50:50 solution of concentrate and water by volume.
- **Gazpromneft ANTIFREEZE Arctic** — coolant with an increased content of anti-cavitation additives, with a freeze protection temperature of -55°C , a 60:40 solution of concentrate and water by volume.

SPECIFICATIONS:

Cummins CES 14603; Caterpillar; Detroit Diesel 7SE298; General Motors 6038M; John Deere 8650-5; Case Corp. MS1710; New Holland 9-86; Navistar; Freightliner 48-22880; PACCAR; MACK; Waukesha 4-1974D; PJSC Avtodiesel (YaMZ); PJSC KAMAZ; OJSC Minsk Motor Plant; LLC GAZ Automobile Plant; PJSC AVTOVAZ; ASTM D3306; ASTM D4985; ASTM D6210; TMC RP329; SAE 1941; BS 6580-1992; ГОСТ 33591-2015.

Coolants

9.4. Graph of the dependence of the frost protection temperature on the concentration



* Freeze protection temperature is the arithmetic mean between the crystallization temperature (appearance of crystals) and the melting temperature (loss of fluidity).

9.5. Brake fluid

Brake fluid serves as the working fluid in a vehicle's braking system, and the safe operation of forestry equipment depends on its quality. Over time, brake fluid can oxidize and accumulate wear and corrosion products, as well as atmospheric moisture. Therefore, to ensure long-lasting and safe operation, it is essential to use a high-quality product and replace it regularly (according to the equipment's operating instructions).



G-Energy Expert DOT-4

High-quality brake fluid for vehicles where DOT 4 fluids are recommended. Suitable for ambient temperatures from -50 to $+50^{\circ}\text{C}$. Use according to vehicle manufacturer's instructions.

SPECIFICATIONS:

ISO 4925; SAE J1703;
SAE J1704; FMVSS 116;
PJSC AVTOVAZ;
PJSC GAZ; PJSC KAMAZ;
PAZ LLC; PJSC UAZ.



G-Energy Expert DOT 4 Class 6

A high-quality, low-viscosity brake fluid for brake and clutch systems in all vehicle models where DOT 4 fluids are recommended. It meets the requirements of the international standard ISO 4925 for Class 6 brake fluids. It has improved low-temperature properties and is recommended for use in brake systems equipped with ABS, ASC, and ESP. Formulated with ethers and borates, it contains a highly effective corrosion inhibitor package. It is miscible with DOT 3 and DOT 4 brake fluids.

SPECIFICATIONS:

FMVSS 116; SAE J 1703;
SAE J 1704; ISO 4925.



Gazpromneft DOT 4

High-quality brake fluid for vehicles where DOT 4 fluids are recommended. Suitable for ambient temperatures from -50 to +50°C. Use according to vehicle manufacturer's instructions.

SPECIFICATIONS:

ISO 4925; SAE J1704; FMVSS 116.

Gear oils

Gear oils are used in lumber processing. The operating conditions of equipment gearboxes here involve uneven and impact loads, as well as various contaminants (sawdust, dust, water, etc.).

Therefore, gear oils must possess a full complement of performance properties: anti-wear, extreme pressure, and antioxidant. Furthermore, gear oils must quickly separate water and air and be resistant to foam formation.



Name, SAE viscosity grade	Base oil	Oxidation resistance	Corrosion protection	Antifoaming properties	Low temperature properties	Anti-seize properties	Compatibility with seal materials
Gazpromneft Reductor PA0 Synth 150, 220, 320, 460, 680	PA0						
Gazpromneft Reductor F Synth 150, 220, 320, 460							
Gazpromneft Reductor CLP 68, 100, 150, 220, 320, 460, 680							

PA0

Synthetic PA0 oil



Synthetic oils



Mineral oils

Gazpromneft gear oils

Gazpromneft Reductor PA0 Synth

A series of fully synthetic gear oils developed for use in modern industrial gearboxes operating under severe conditions. The use of synthetic polyalphaolefin (PAO) base oils allows Gazpromneft Reductor PA0 Synth oils to be used at both sub-zero and high operating temperatures, with the potential for significantly longer drain intervals (compared to mineral-based oils). Recommended for use in equipment with long service intervals.

ISO viscosity grades: 150, 220, 320, 460, 680.

SPECIFICATIONS:

AGMA 9005-E02; AIST 224; DIN 51517 Part 3 (CLP); FLENDER; ISO 12925-1 (CKD).

Gazpromneft Reductor F Synth

A series of synthetic gear oils designed for use in modern industrial gearboxes operating under severe conditions, including those manufactured by Flender. The use of a synthetic base ensures the oils perform well at both low and high operating temperatures. Gazpromneft Reductor F Synth series oils offer an extended service life compared to mineral-based oils.

ISO viscosity grades: 150, 220, 320, 460.

SPECIFICATIONS:

AGMA 9005-E02; AIST 224; DIN 51517 Part 3 (CLP); ISO 12925-1 (CKD).

Gazpromneft Reductor CLP

A series of gear oils designed for use in modern industrial gearboxes operating under severe conditions. They are also suitable for gearboxes equipped with circulation lubrication systems or splash lubrication systems.

ISO viscosity grades: 68, 100, 150, 220, 320, 460, 680.

SPECIFICATIONS:

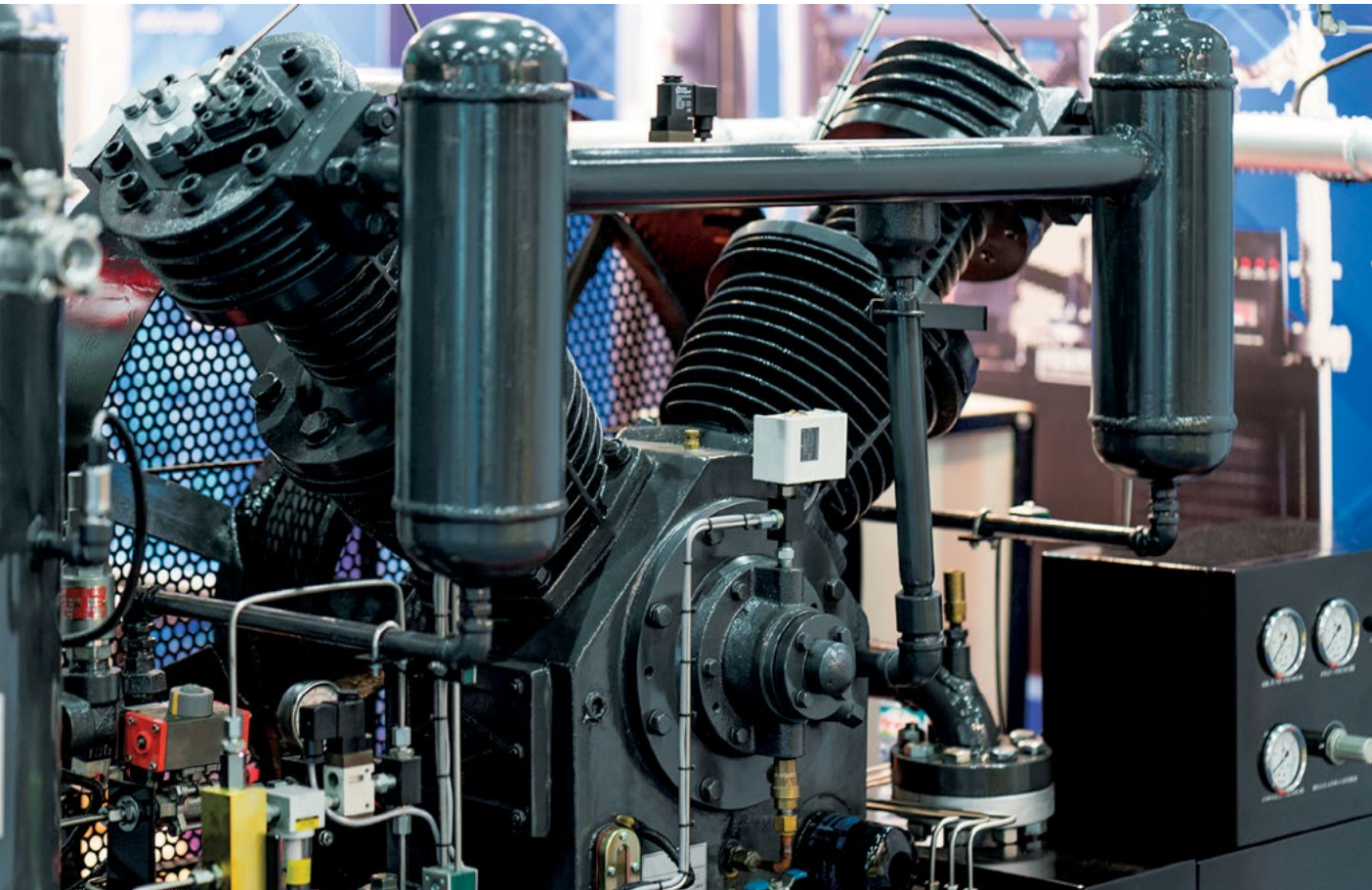
DIN 51517 Part 3 (CLP); AGMA 9005-E02; AIST 224; David Brown S1.53.101(E); Danieli (except viscosity grades ISO 68 and 100).

Compressor oils

Compressed air is widely used in lumber processing—from powering hand tools, applying coatings and impregnations, cleaning surfaces, transporting sawdust, to pneumatically driving heavy stationary equipment.

To generate air pressure and flow, compressors are used, and their working environments almost always contain dust, sawdust, and/or moisture. Due to these operating conditions, the forestry industry places high demands on compressor oils for anti-wear properties, water-air separation, anti-corrosion properties, and maximum resistance to oxidation and deposit formation.





Gazpromneft compressor oils

Name, SAE viscosity grade	Protection against deposits	Resistance to high temperatures	Use in rotary compressors	Use in piston compressors	Low-temperature properties
Gazpromneft Compressor F Synth					
46, 68			✓		
Gazpromneft Compressor S Synth					
46, 68			✓		
100, 150				✓	
Gazpromneft Compressor Oil					
46, 68			✓		
100, 150, 220, 320, 460, 680				✓	

Gazpromneft compressor oil range



Gazpromneft Compressor F Synth

A series of synthetic compressor oils designed for use in modern screw and vane air compressors operating under severe conditions (discharge temperatures up to 220°C). Due to their synthetic base, these oils provide excellent protection against deposit formation and have an extended service life compared to mineral and semi-synthetic oils. They quickly separate water and protect compressor parts from corrosion.

ISO viscosity grades: 46, 68.

SPECIFICATIONS:

DIN 51506 VDL; ISO 6743 DAJ; ROTORCOMP VERDICHTER GmbH.



Gazpromneft Compressor S Synth

A series of semi-synthetic compressor oils designed for use in modern positive displacement and dynamic air compressors (piston, screw, and vane) operating under harsh conditions (discharge temperatures up to 220°C). Using a synthetic base stock, these oils provide superior protection against deposits and have an extended service life compared to mineral oils. They quickly separate water and protect compressor parts from corrosion.

ISO viscosity grades: 46, 68, 100, 150.

SPECIFICATIONS:

DIN 51506 VDL; Krasnodar Compressor Plant Borets (only for viscosity grades ISO 100 and 150); ROTORCOMP VERDICHTER GmbH (except for viscosity grade 150).



Gazpromneft Compressor Oil

A series of ashless compressor oils designed for the lubrication of various compressor types (positive and dynamic) requiring DIN 51506 VCL performance. Gazpromneft Compressor Oils in ISO 150, 220, 320, and 680 viscosities are intended for use in the lubrication systems of Ariel piston compressors.

ISO viscosity grades: 46, 68, 100, 150, 220, 320, 460, 680.

SPECIFICATIONS:

DIN 51506 VCL; ROTORCOMP VERDICHTER; GmbH (ISO 46, 68); JSC UKZ (ISO 220); PJSC Sumy NPO (ISO 220); Krasnodar Compressor Plant Borets (ISO 220, 320); Ariel.

GOST-compliant products

Currently, a significant amount of equipment and machinery manufactured in the 1980s and earlier is in use in industry and the national economy. This type of equipment requires specialized fuels and lubricants—either GOST-compliant products or alternatives made from more modern components.

Careful maintenance and the use of high-quality lubricants can often extend the life of this equipment for many years to come.

Engine oils

Diesel Turbo SAE 20 (type M-8DM) and M-10DM

Engine oils intended for use in high-performance diesel engines of heavy-duty trucks, special-purpose and off-road equipment in winter (SAE 20 (type M-8DM)) and summer (M-10DM).

SPECIFICATIONS:
API CD.

M-8G2k and M-10G2k

Engine oils designed for use in naturally aspirated (or lightly aspirated) tractor diesel engines during the summer (M-10G2k) and winter (M-8G2k) periods. They offer superior performance properties compared to G2 group oils.

SPECIFICATIONS:
API CC.

M-8G2 and M-10G2

Motor oils intended for use in naturally aspirated (or with low turbocharging) tractor diesel engines in summer (M-10G2) and winter (M-8G2) periods.

SPECIFICATIONS:
API CC.

M-8B

Winter universal engine oil for medium-powered automotive and tractor diesel engines and gasoline engines in passenger cars and trucks.

SPECIFICATIONS:
API SD/CB.

M-6z/10V

All-season universal motor oil for medium-powered carbureted gasoline and naturally aspirated diesel engines.

SPECIFICATIONS:
API SD/CB.

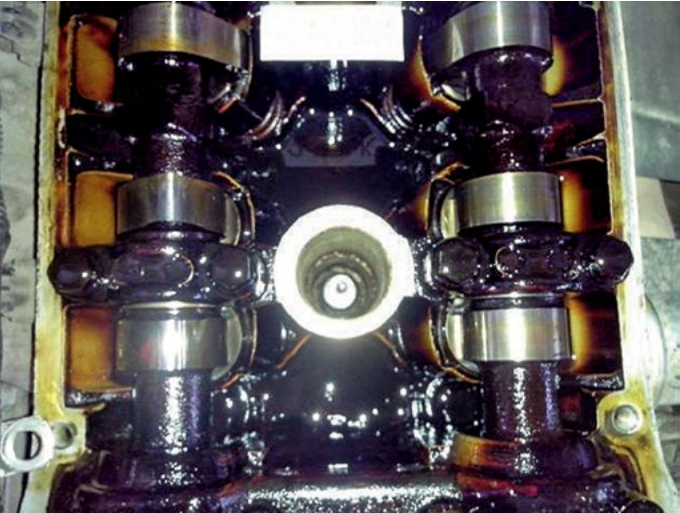
GOST substitution

Name	Engine boost level	Replacement interval	Application temperature range	Engine cleanliness	Protection against the negative effects of soot	All-season use
Gazpromneft Turbo Universal*						✓
M-8DM, M-10DM						
M-8G2k, M-10G2k M-8G2, M-10G2						
M-6z/10V						✓
M-8V, M-10V2						

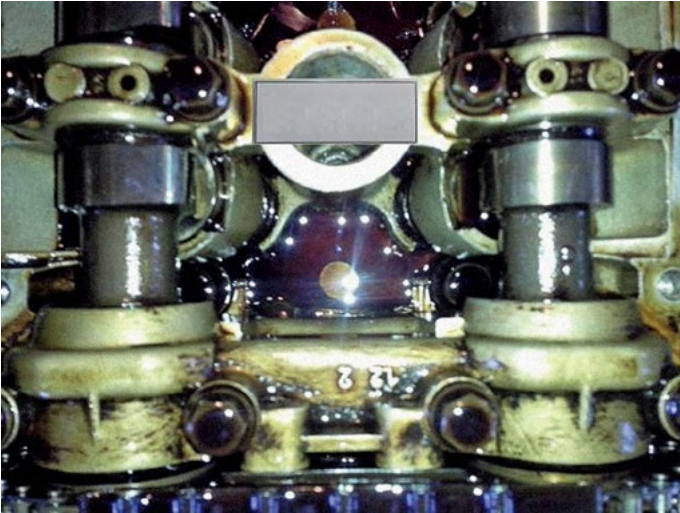
* Detailed product information can be found in the [Engine Oils](#) section.

State substitution is profitable!

Previous generation engine oil



Engine oil with improved cleaning properties



Previous generation
engine oil



Engine oil with improved
cleaning properties



Why is engine flushing recommended when upgrading
to a higher category?

- An oil with a higher level of performance properties is more effective in combating the formation of deposits and, due to its better cleaning properties, can “wash away” some of the deposits that have formed during previous use.
- Residues of low-quality oil, wear and combustion products reduce the potential of fresh oil.



Methods for flushing the internal combustion engine when switching to a higher grade oil

- 1 Completely drain the old product and fill with new oil (replacing the filter). Start operating the equipment with the new oil, but reduce the first change interval by half!
- 2 Completely drain the old oil and fill with new oil. Flush the engine with the new oil at idle (for up to half an hour), drain, and fill with fresh oil, making sure to replace the filter. Cleaning the oil pickup screen may also be necessary.

Transmission oils

TSp-15K

Transmission oil designed for use in gearboxes, transfer cases, power take-off boxes, and final drives without hypoid engagement in heavy-duty, special-purpose, and off-road vehicles that require API GL-3 or lower oils.

SPECIFICATIONS:

KAMAZ PJSC;
Avtodiesel PJSC (YaMZ);
API GL-3.

GOST substitution

GOST

→ Modern product

TSp-15K

Transmission oil

Gazpromneft GL-4 80W-90

Oil with improved performance properties.

- Increased protection of components from mechanical damage.
- Extended service life of transmission components.



SPECIFICATIONS:

API GL-4; ZF TE-ML 08; ZF TE-ML 16A; ZF TE-ML 17A;
ZF TE-ML 19A; PJSC AVTOVAZ.

Oil comparison

Name	Base oil	Wear and scuff protection	Extended drain interval	Oil film load capacity	Compatibil-ity with copper alloys	Resistance to emulsion formation	Corrosion protection
Gazpromneft GL-4 80W-90			✓		✓		
TSp-15K					✓		



Mineral oils

Oils for hydraulic systems and transmissions

Gazpromneft Grade «A»

Transmission and hydraulic oil intended for use in torque converters, automatic transmissions, and hydrostatic drives of trucks, passenger cars, and special-purpose vehicles.

Gazpromneft Grade «P»

A special oil intended for use in power steering systems and hydrostatic drives of trucks, passenger cars, and special-purpose vehicles.

GOST substitution

GOST	Modern product
Gazpromneft Brand «A» Gazpromneft Brand «P»	Gazpromneft ATF DX II An oil with improved performance properties. Possibility of extended drain intervals. A unified product range. LONG LIFE UNIVERSAL SPECIFICATIONS: General Motors DEXRON IID.

Oils comparison

Name	Application	Base Oil	Replacement Interval	Protection from Deposits	Protection of Frictions	Viscosity Stability	Low Temperature Properties
Gazpromneft ATF DX II							
Gazpromneft Brand «A»							
Gazpromneft Brand«P»							
Mineral oils							

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit gazpromneft-oil.ru.

GOST substitution

GOST	Modern product
MGE-46V All-season hydraulic oil, intended for use in hydraulic systems and hydrostatic drives of special equipment.	Gazpromneft Hydraulic All Seasons Improved overall performance. Extended temperature range from –35 to +70°C, depending on the hydraulic pump type. Possibility of extending replacement intervals. LONG LIFE SPECIFICATIONS: DIN 51524 Part 3; ISO 6743-4 HV; JSC Pneumostroy mashina
Gazpromneft VMGZ All-season hydraulic oil produced on a highly purified low-viscosity base. It ensures reliable operation of hydraulic machines in Russian climate conditions (from –25 to +50°C, depending on the hydraulic pump type).	
Gazpromneft VMGZ-60 All-season hydraulic oil with a low-viscosity, low-freezing mineral base, obtained using hydraulic processes, thickened with a polymethacrylate additive. It ensures reliable operation of hydraulic machines in Russian climate conditions (from –55 to +50°C, depending on the hydraulic pump type).	
Gazpromneft MG-68V Oil for hydraulic systems and transmissions of tractors and other agricultural machinery operating at pressures not exceeding 25 MPa.	Gazpromneft Hydraulic HVLP-68 Improved overall performance characteristics. Expanded temperature range. Possibility of extending the replacement interval. LONG LIFE SPECIFICATIONS: Beltramelli; Bosch Rexroth RDE 90235; Denison Hydraulics HF-0, -1, -2; Eaton E-FDGN-TB002-E; Fives Cincinnati P-69; DIN 51524 Part 3 (HVLP); ISO 11158 HV.

Oils comparison

Name, ISO viscosity grade	Oxidation resistance	Viscosity stability	Anti-wear properties	Resistance to emulsion formation	Improved cleanliness class (<12)	Anti-foam properties / air release	All-season use
Gazpromneft Hydraulic HVLP ISO VG 46/68					✓		
MGE-46B MG-68B							

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit gazpromneft-oil.ru.

Compressor oils

KS-19p A

Compressor oil with additives, designed for use in medium- and high-pressure piston compressors, as well as in rotary compressors where oil of this viscosity grade is permitted. It can be used in single- and multi-stage compressors across various industries compressing air and other oil-insoluble gases.

GOST substitution

GOST

Modern product

KS-19p A

Gazpromneft Compressor Oil-220

Oil with improved performance properties.

Possibility of extending the drain interval.

LONG LIFE

SPECIFICATIONS:

DIN 51506 VCL; PJSC Sumy NPO; JSC UKZ

Oils comparison

Name	Protection against deposits	Resistance to high temperatures	Application in piston compressors	Conforms to DIN 51506 VCL	Low-temperature properties
Gazpromneft Compressor Oil-220			✓	✓	
KS-19p A			✓		

Specification data is current as of 2025. For the relevant list of specifications and more detailed information, please visit gazpromneft-oil.ru.

GOST-compliant products

Plastic lubricants

Litol-24

Gazpromneft Litol

Antifriction, multipurpose plastic lubricant based on mineral oil and thickened with lithium soap. It contains an effective additive package and is used in all types of rolling and plain bearings, joints, gears, and other transmissions; and on friction surfaces of a wide range of mobile and stationary equipment, including industrial machinery.

Gazpromneft Constant Velocity Joint Grease SHRUS-4M

Antifriction plastic lubricant with a filler (molybdenum disulfide) based on mineral oil and thickened with lithium soap. It is designed to lubricate constant velocity joints of vehicles, clutch release bearings, rear brake drum mounting points, driveshaft splines, and other friction components.

! Depending on the equipment, its operating conditions, and the components being lubricated, our technical specialists can select plastic lubricants with improved performance properties.



Antifreezes

Gazpromneft TOSOL

Concentrate and ready-to-use coolants based on ethylene glycol. The additive package consists of traditional corrosion inhibitors. Their properties fully comply with GOST 33591-2015.

COMMODITY VARIETIES:

- **Gazpromneft TOSOL** — coolant concentrate for dilution. GOST 33591-2015; BS 6580-1992.
- **Gazpromneft TOSOL 40** — coolant with freeze protection temperature of -37°C . GOST 33591-2015; BS 6580-1992.
- **Gazpromneft TOSOL 65** — coolant with freeze protection temperature of -62°C . GOST 33591-2015; BS 6580-1992.

SPECIFICATIONS:

GOST 33591-2015;
BS 6580-1992.

Гостозамещение

GOST

→ Modern product

TOSOL

Gazpromneft АНТИФРИЗ

Antifreeze with improved performance properties.

- Enhanced protection against cavitation, corrosion, and deposits.



SPECIFICATIONS:

ASTM D6210; ASTM D3306; ASTM D4985; Case Corp. MS1710; Caterpillar; Cummins 14603; Detroit Diesel 7SE298; Freightliner 48-22880; General Motors 6038M; John Deere 8650-5; MACK; Navistar; New Holland 9-86; PACCAR; SAE 1941; TMC RP329; Waukesha 4-1974D; MMZ; PJSC GAZ; PJSC AVTOVAZ; MMZ; BS 65801992; GOST 33591; GB 29743; PJSC Avtodizel (YaMZ); PJSC KAMAZ (perpetual approval); Volga Industrial Engines LLC.

Reference information on the use of oils in forestry equipment

Harvesters

Node groups	John Deere		Ponsse	Volvo	Rottne	Komatsu	
	770D, 1070D, 1270D	1470D	Ergo, Beaver	EC 210BF Prime	H-20	901, 911, 931	
Engines	G-Profi FLI 15W-40 / G-Profi MSI Plus 15W-40 G-Profi MSK 15W-40 (DPF) Winter version: G-Profi GT 5W-30 G-Profi GTS 5W-30 G-Profi MSK 5W-30 (DPF)		G-Profi GT 10W-40 G-Profi GT LA 10W-40 (DPF) Winter version: G-Profi GT 5W-30 G-Profi MSK 5W-30 (DPF)	G-Profi GTS 10W-40 G-Profi GT 10W-40 G-Profi GT LA 10W-40 (DPF) G-Profi MSI 10W-30, 10W-40 G-Profi FLI 15W-40 G-Profi MSI Plus 15W-40 Winter version: G-Profi GT 5W-30 G-Profi GTS 5W-30 G-Profi MSK 5W-30 (DPF)	G-Profi FLI 15W-40 G-Profi MSI Plus 15W-40 G-Profi MSK 15W-40 (DPF) Winter version: G-Profi GT 5W-30 G-Profi MSK 5W-30 (DPF)	G-Profi FLI 15W-40 / G-Profi MSI Plus 15W-40 G-Profi MSK 15W-40 (DPF) Winter version: G-Profi GT 5W-30 G-Profi GTS 5W-30 G-Profi MSK 5W-30 (DPF)	
Hydraulic system	G-Special Hydraulic HVLP-22, -32, -46 G-Special Power HVLP-32, -46 G-Special UTTO Premium 10W-30		G-Special Hydraulic Nord-32 (Arctic) G-Special Power HVLP-32, -46 G-Special Hydraulic HVLP-22, -32, -46, -68		G-Special Hydraulic HVLP-22, -32, -46 G-Special Power HVLP-32, -46	G-Special Hydraulic Nord-32 (Arctic) G-Special Power HVLP-32, -46 G-Special Hydraulic HVLP-32, -46	
Transmission	Gearbox	G-Box GL-4/GL-5 75W-90 G-Box GL-5 75W-90 G-Truck GL-5 80W-90 G-Truck GL-4/GL-5 80W-90	G-Box GL-4/GL-5 75W-90 G-Box GL-5 75W-90 G-Truck GL-5 80W-90 G-Truck GL-4/GL-5 80W-90	—	G-Box ATF DX II (torque converter)	G-Box GL-4/GL-5 75W-90 G-Box GL-5 75W-90 G-Truck GL-5 80W-90 G-Truck GL-4/GL-5 80W-90	
				G-Special STOU 10W-30 (hydrostatic transmission)			
	Transfer case		G-Box GL-4/GL-5 75W-90 G-Box GL-5 75W-90 G-Truck GL-5 80W-90 G-Truck GL-4/GL-5 80W-90 (except Sauer)	—	G-Box ATF DX II		
	Differentials		G-Box GL-4/GL-5 75W-90 G-Box GL-5 75W-90 G-Truck GL-4/GL-5 80W-90	G-Truck LS 80W-90	—	G-Box GL-4/GL-5 75W-90 G-Box GL-5 75W-90 G-Truck GL-5 80W-90 G-Truck GL-4/GL-5 80W-90 G-Truck LS 80W-90 (LSD)	G-Truck LS 80W-90
	Wheel gearboxes		G-Box GL-5 75W-90	—	—	—	
	Boom/crane slewing gearboxes		—	G-Box GL-4/GL-5 75W-90 G-Box GL-5 75W-90 G-Truck GL-5 80W-90 G-Truck GL-4/GL-5 80W-90 Gazpromneft GL-5 85W-140	—	G-Truck LS 80W-90	
	Travel gearbox and slewing gearbox		—	—	G-Box GL-4/GL-5 75W-90 G-Box GL-5 75W-90 G-Truck GL-5 80W-90 G-Truck GL-4/GL-5 80W-90 G-Truck GL-5 85W-140 (depending on loads and temperatures)	—	—
Coolant	G-Energy Antifreeze HD		G-Energy Antifreeze SNF		G-Energy Antifreeze HD	G-Energy Antifreeze SNF	
Plastic lubricants	Load per lubrication point		up to 4,136 N	Gazpromneft OffRoad Grease CS 2. Application: universal grease for heavy-duty assemblies.			
			up to 4,136 N	Gazpromneft Grease LTS Moly EP 2. Application: heavily loaded assemblies requiring grease with fillers.			
			up to 4,136 N	Gazpromneft Grease Nord Moly. Application: lubrication of highly loaded assemblies where a lubricant with fillers is required (down to -50 °C).			
			up to 3,479 N	Gazpromneft Grease LX EP 2. Application: universal lubricant for assemblies where fillers are not required.			
			up to 3,283 N	Gazpromneft Grease Synth LX EP 2. Application: universal grease for assemblies where no filler is required (down to -50 °C).			

This information is for reference only. Before selecting lubricants and technical fluids, please consult the operating manual.

Forwarders

Node groups	John Deere		Ponsse	Rottne
	1010D, 1110D, 1410D, 1710D		Buffalo King, Buffalo, Wisent, Gazelle, Elk	F-12
Engines	G-Profi FLI 15W-40; G-Profi MSI Plus 15W-40 G-Profi MSK 15W-40 (DPF) Winter version: G-Profi GT 5W-30; G-Profi GTS 5W-30 G-Profi MSK 5W-30 (DPF)		G-Profi GT 10W-40 G-Profi GT LA 10W-40 (DPF) Winter version: G-Profi GT 5W-30 G-Profi MSK 5W-30 (DPF)	G-Profi GT 10W-40 G-Profi GT LA 10W-40 (DPF) Winter version: G-Profi GT 5W-30 G-Profi MSK 5W-30 (DPF)
Hydraulic system	G-Special Hydraulic HVLP-22, -32, -46 G-Special Power HVLP-32, -46 G-Special UTTO Premium 10W-30		G-Special Power HVLP-32, -46 G-Special Hydraulic HVLP-22, -32, -46, -68	G-Special Power HVLP-32, -46 G-Special Hydraulic HVLP-32, -46
Transmission	G-Box GL-5 75W-90 G-Box GL-4/GL-5 75W-90 G-Truck GL-5 80W-90		G-Box GL-5 75W-90 G-Box GL-4/GL-5 75W-90 G-Truck GL-5 80W-90	G-Box ATF DX II (torque converter)
				G-Special STOU 10W-30 (hydrostatic transmission)
				G-Box ATF DX II
			G-Truck LS 80W-90	G-Box GL-5 75W-90 G-Box GL-4/GL-5 75W-90 G-Truck GL-5 80W-90
			G-Box GL-5 75W-90 G-Box GL-4/GL-5 75W-90 G-Truck GL-5 80W-90	—
Coolant	G-Energy Antifreeze HD		G-Energy Antifreeze SNF	G-Energy Antifreeze HD
Plastic lubricants	Load per lubrication point	up to 4,136 N	Gazpromneft OffRoad Grease CS 2. Application: universal grease for heavy-duty assemblies.	
		up to 4,136 N	Gazpromneft Grease LTS Moly EP 2. Application: heavily loaded assemblies requiring grease with fillers.	
		up to 4,136 N	Gazpromneft Grease Nord Moly. Application: lubrication of highly loaded assemblies where a lubricant with fillers is required (down to –50 °C).	
		up to 3,479 N	Gazpromneft Grease LX EP 2. Application: universal lubricant for assemblies where fillers are not required.	
		up to 3,283 N	Gazpromneft Grease Synth LX EP 2. Application: universal grease for assemblies where no filler is required (down to –50 °C).	

VPM and skidders

Node groups	John Deere		
	640L, 648L, 748L, 848L, 948L		803M, 853M, 903M, 953M
Engines	G-Profi FLI 15W-40 G-Profi MSI Plus 15W-40 G-Profi MSK 15W-40 (DPF) Winter version: G-Profi GT 5W-30 G-Profi MSK 5W-30 (DPF)		G-Profi FLI 15W-40 G-Profi MSI Plus 15W-40 G-Profi MSK 15W-40 (DPF) Winter version: G-Profi GT 5W-30 G-Profi MSK 5W-30 (DPF)
Hydraulic system			G-Profi MSK 15W-40
Transmission	Gearbox		G-Special UTTO Premium 10W-30
	Winches		G-Profi MSK 15W-40
	Differentials		G-Special UTTO Premium 10W-30
	Hydraulic pump gearbox		—
	Drive and steering gearbox		—
Coolant	G-Energy Antifreeze HD		
Plastic lubricants	Load per lubrication point	up to 4,136 N	Gazpromneft OffRoad Grease CS 2. Application: universal grease for heavy-duty assemblies.
		up to 4,136 N	Gazpromneft Grease LTS Moly EP 2. Application: heavily loaded assemblies requiring grease with fillers.
		up to 4,136 N	Gazpromneft Grease Nord Moly. Application: lubrication of highly loaded assemblies where a lubricant with fillers is required (down to –50 °C).
		up to 3,479 N	Gazpromneft Grease LX EP 2. Application: universal lubricant for assemblies where fillers are not required.
		up to 3,283 N	Gazpromneft Grease Synth LX EP 2. Application: universal grease for assemblies where no filler is required (down to –50 °C).

This information is for reference only. Before selecting lubricants and technical fluids, please consult the operating manual.

Sorting machines

Node groups	Scania		Volvo
	G480C B6X6EHZ, G500C B6X6HZ		FMX6x4, FMX6x6
Engines	G-Profi GTS 5W-30, 10W-40 G-Profi GT 5W-30, 10W-40, 5W-40 G-Profi MSK 5W-30 (DPF), 5W-40 (DPF) G-Profi GT LA 10W-40 (DPF)		G-Profi GTS 5W-30, 10W-40 G-Profi GT 5W-30, 10W-40 G-Profi MSK 5W-30 (DPF) G-Profi GT LA 10W-40 (DPF) G-Profi MSI 10W-30, 10W-40
Transmission	Automatic transmission		G-Box ATF DX III PA0 G-Box ATF DX III
	Manual transmission		G-Box GL-4/GL-5 75W-90 G-Truck GL-4/GL-5 80W-90
	Transfer case		G-Box GL-4/GL-5 75W-90 G-Truck GL-4/GL-5 80W-90
	Retarder		G-Box ATF DX III PA0 G-Box ATF DX III
	Power take-off shaft		—
	Differentials		G-Box GL-4/GL-5 75W-90 G-Truck GL-5 85W-140
Hydraulic system	Cabin drive		G-Box ATF DX III
	Damper		G-Box ATF DX III PA0 G-Box ATF DX III
	Hydraulic power steering		G-Box ATF DX III
Clutch drive	G-Energy Expert DOT 4		G-Energy Expert DOT 4
Coolant	G-Energy Antifreeze Si-OAT G-Energy Antifreeze PSI-OAT		G-Energy Antifreeze SNF
Plastic lubricants	Load per lubrication point	up to 4,136 N	Gazpromneft OffRoad Grease CS 2. Application: universal grease for heavy-duty assemblies.
		up to 4,136 N	Gazpromneft Grease LTS Moly EP 2. Application: heavy-duty assemblies requiring grease with fillers.
		up to 4,136 N	Gazpromneft Grease Nord Moly. Application: lubrication of heavily loaded assemblies where a grease with fillers is required (down to –50 °C).
		up to 3,479 N	Gazpromneft Grease LX EP 2. Application: universal lubricant for assemblies where fillers are not required.
		up to 3,283 N	Gazpromneft Grease Synth LX EP 2. Application: universal lubricant for assemblies where fillers are not required (down to –50 °C).



Techservice@gazprom-neft.ru

Technical services

The technical services provided by Gazpromneft-Lubricants are a set of engineering and technical solutions that enable consumers to choose the best option for purchasing and consuming products, as well as to use them cost-effectively for a reasonable period of time dictated by the interests of the enterprise.

The purpose of the service is to offer consumers the products manufactured by Gazpromneft-Lubricants Ltd.

and to help them get the most out of the goods they purchase.

To provide technical services, the company's specialists use a unique set of mobile diagnostic equipment that allows them to competently assess the condition of the lubricant and the unit in which it is used in real time at any location: an IR spectrometer, an xRF spectrometer, and a mini-viscometer.

IR spectrometer



xRF spectrometer

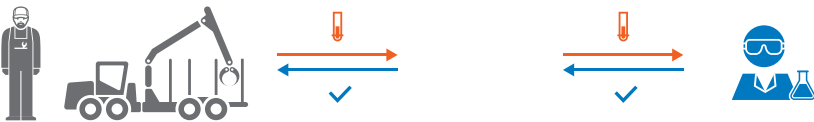


Mini viscometer



OTS — OIL TESTING SERVICE

Controlled operation and testing of lubricants



PURPOSE OF THE SERVICE

Confirmation of the operational properties of lubricants manufactured by Gazpromneft-Lubricants Ltd. under actual operating conditions through laboratory evaluation of changes in lubricant properties.

SERVICE DESCRIPTION

- Short-term monitoring of oil use by Gazpromneft-Lubricants Ltd. (1–3 oil changes).
- Sampling of operating oil from 4–6 pieces of equipment.
- Testing of samples at an independent laboratory center.

RESULT

- Confirmation of product performance under specific operating conditions.
- Determination and recommendation of the optimal replacement interval, taking into account operating conditions, technical condition of units, and fuel quality.
- Determination of the need for certain technical measures to improve equipment reliability.

OTS-SCREEN

Express audit of lubricant use at the enterprise



PURPOSE OF THE SERVICE

Assessment of the effectiveness of lubricant use by consumers using mobile diagnostic equipment.

SERVICE ESSENCE

- Assessment of storage, distribution, and application conditions for lubricants.
- Assessment of the current condition of equipment based on the results of analysis of the lubricant in use.
- Sampling of used oil during the working day, with varying equipment operating hours, without taking the machines out of production.
- Express analysis of samples using mobile diagnostic tools.

RESULT

- Operational assessment of the current condition of the equipment fleet.
- Determination of the need for unscheduled diagnostic and repair measures.
- Monitoring of compliance with established maintenance regulations by technical services.

OTS-MONITORING

Operational monitoring of products manufactured by Gazpromneft-Lubricants Ltd.



PURPOSE OF THE SERVICE

Monitoring the condition of lubricants and equipment components during operation.

SERVICE ESSENCE

- Long-term monitoring of the use of Gazpromneft-Lubricants Ltd. oils.
- Sampling of used oil from the company's fleet of equipment units, in accordance with the approved sample, during maintenance.
- Samples are tested both using a mobile laboratory and at an independent testing center.
- The test results for each machine are sent to your personal account on the service portal.

RESULT

- Obtaining information about the technical condition of the vehicle fleet.
- Real-time assessment of the performance of the lubricant used in specific operating conditions.
- Identifying the need to adjust lubricant replacement intervals.
- Identifying malfunctions at an early stage.

OIL EXPERT SERVICE

Expert assessment and analysis of operational situations



PURPOSE OF THE SERVICE

Resolution of disputed operational situations arising from the use of Gazpromneft-Lubricants products.

SERVICE ESSENCE

Company employees assess the condition of the lubricant in use and the lubricant in its original packaging. Sample testing is conducted at an independent laboratory center. Based on the test results, a conclusion is issued regarding the probable causes of deviations in the operation of the units and recommendations are provided for their elimination.

RESULT

The service allows you to identify the most likely cause of the malfunction.

Data on typical physicochemical characteristics of products

G-Profi Engine Oils

Indicators	Method	G-Profi GTS 5W-30	G-Profi GTS 10W-40	G-Profi GT 5W-30	G-Profi GT 5W-40	G-Profi GT 10W-40	G-Profi GT LA 10W-40	G-Profi MSK 5W-30	G-Profi MSK 5W-40	G-Profi MSK 10W-30	G-Profi MSK 15W-40	G-Profi FLI 15W-40	G-Profi MSI Plus 15W-40	G-Profi MSI 5W-40	G-Profi MSI 10W-30	G-Profi MSI 10W-40	G-Profi MSH 10W-40	G-Profi MSH 15W-40	G-Profi MSF 10W-40	G-Profi MSF 15W-40
Kinematic viscosity at 40 °C, mm²/s	ASTM D445	71,4	99,3	72,9	97,5	97,5	99,3	74,6	89,1	82,8	112,7	111,5	—	—	—	—	96,4	109,9	100,6	118,5
Kinematic viscosity, at 100 °C, mm²/s	ASTM D445	12,3	14,8	12,1	14,6	14,6	14,8	12,4	14,8	12,3	14,8	14,9	15,9	15,3	11,8	15,8	14,4	14,6	14,6	14,9
Viscosity index	ASTM D2270	172	156	164	156	156	156	166	175	145	136	139	149	173	147	159	155	137	150	129
Flash point in an open crucible, °C	ASTM D92	233	242	236	238	238	249	233	239	240	242	239	232	229	226	234	245	237	227	239
Freezing point, °C	ASTM D97	−46	−44	−41	−39	−39	−39	−44	−43	−41	−37	−40	−38	−46	−42	−44	−38	−35	−35	−33
Alkaline number, mg KOH/g	ASTM D2896	16,5	16,5	15	15	15	13,6	11,3	9	9	9	14,6	12	11	12	11	12	12	—	—
Alkaline number, mg KOH/g	GOST 11362	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,9	8,9
Dynamic viscosity (CCS) at −20 °C, MPa*s	ASTM D5293	—	—	—	—	—	—	—	—	—	—	5 950	—	—	—	—	—	—	—	6 900
Dynamic viscosity (CCS) at −25 °C, MPa*s	ASTM D5293	—	6 200	—	—	5 900	6 100	—	—	—	18 000	—	—	—	—	—	—	—	6 250	—
Dynamic viscosity (CCS) at −30 °C, MPa*s	ASTM D5293	5 100	—	6 100	5 900	—	—	—	—	21 300	—	—	—	—	—	—	—	—	—	—
Dynamic viscosity (CCS) at −35 °C, MPa*s	ASTM D5293	—	—	—	—	—	—	20 100	31 400	—	—	—	—	—	—	—	—	—		

The specified values of physical and chemical indicators are typical and may vary slightly from batch to batch. Data for 2025.

Gazpromneft Engine Oils

Indicators	Method	Gazpromneft Diesel Ultra 5W-30	Gazpromneft Diesel Ultra 10W-40	Gazpromneft Diesel Ultra 15W-40	Gazpromneft Diesel Ultra Plus 10W-40	Gazpromneft Diesel Ultra LA 10W-40	Gazpromneft Diesel Ultra CS 10W-40	Gazpromneft Diesel Premium 5W-40	Gazpromneft Diesel Premium 10W-30	Gazpromneft Diesel Premium 10W-40	Gazpromneft Diesel Premium 15W-40	Gazpromneft Diesel Extra 10W-40	Gazpromneft Diesel Extra 15W-40	Gazpromneft Diesel Extra 20W-50	Gazpromneft Turbo Universal 15W-40	Gazpromneft Turbo Universal 20W-50	Gazpromneft Diesel Prioritet 10W-30	Gazpromneft Diesel Prioritet 10W-40	Gazpromneft Diesel Prioritet 15W-40	Gazpromneft Diesel Prioritet 20W-50
Kinematic viscosity, at 100 °C, mm²/s	ASTM D445	12,3	14,9	15,2	14,7	14,7	15,3	15,4	11,5	14,8	15,3	14,9	15	18,7	14,7	18,8	11,3	14,8	15	18,9
Viscosity index	ASTM D2270	165	155	144	156	155	156	177	147	154	140	150	134	125	137	123	147	149	134	125
Flash point in an open crucible, °C	ASTM D92	233	240	235	240	243	245	224	226	228	234	238	239	242	230	239	228	228	232	248
Freezing point, °C	GOST 20287	−44	−42	−38	−41	−39	−41	−42	−40	−37	−35	−38	−35	−29	−36	−30	−40	−38	−35	−29
Alkaline number, mg KOH/g	GOST 11362	15,4	15,4	15,4	15,4	12	10,2	11	11	11	11	11	11	11	10	0	9,5	9,5	9,5	9,5

Gazpromneft transmission oils

Indicators	Method	Gazpromneft GL-4/GL-5 75W-90	Gazpromneft GL-4 75W-85	Gazpromneft GL-4 75W-90	Gazpromneft GL-4 80W-85	Gazpromneft GL-4 80W-90	Gazpromneft GL-5 75W-90	Gazpromneft GL-5 80W-90	Gazpromneft Super T-3	Gazpromneft ATF DX III	Gazpromneft ATF DX III Standard	Gazpromneft ATF DX II
Kinematic viscosity, at 100 °C, mm²/s	ASTM D445	17,7	12,4	15,4	12,9	14,8	15,1	14,6	17	7,6	7,3	7,1
Flash point in an open crucible, °C	ASTM D92	225	234	232	258	244	220	230	230	217	232	190
Freezing point, °C	GOST 20287	−40	−42	−44	−31	−33	−43	−32	−17	−50	−46	−40
Dynamic viscosity according to Brookfield at −40, −26, −12 °C, MPa*s	ASTM D2983	115 000 (−40 °C)	120 000 (−40 °C)	128 000 (−40 °C)	69 782 (−26 °C)	90 895 (−26 °C)	120 000 (−40 °C)	118 000 (−26 °C)	14 000 (−12 °C)	18 000 (−40 °C)	18 000 (−40 °C)	48 000 (−40 °C)
Tribological characteristics at 20 °C on the CHSM Scratch index (Iz), H	GOST 9490	727	—	—	—	—	—	656	—	—	—	—
Tribological characteristics at 20 °C on CHSM Welding load (Ipc), N	GOST 9490	5 400	—	—	—	—	—	4 900	—	—	—	—

The specified values of physical and chemical indicators are typical and may vary slightly from batch to batch. Data for 2025.

G-Special and Gazpromneft universal oils

Indicators	Method	G-Special T0-4 Arctic 0W-20	G-Special T0-4 5W-30	G-Special T0-4 10W	G-Special T0-4 30	G-Special T0-4 50	G-Special UTTO 10W-30	G-Special UTTO Premium 10W-30	G-Special STOU 10W-30	G-Special STOU 10W-40	Gazpromneft UTTO 10W-30
Kinematic viscosity at 40 °C, mm²/s	ASTM D445	33,8	—	—	—	—	63,7	59,7	80	100,5	—
Kinematic viscosity, at 100 °C, mm²/s	ASTM D445	6,9	11,15	6,6	11,3	19,8	9,7	9,6	11,9	14,5	11,0
Viscosity index	ASTM D2270	170	—	110	96	96	134	145	143	150	—
Flash point in an open crucible, °C	ASTM D92	208	210	246	250	258	223	233	229	228	228
Freezing point, °C	ASTM D97	−57	−52	−42	−30	−20	−44	−44	−40	−38	−43
Brookfield dynamic viscosity at −25, −30, −35, −40, −55 °C, MPa*s	ASTM D2983	6 700 (−35 °C)	3 750 (−25 °C) 5 532 (−30 °C)	—	—	—	40 540 (−35 °C)	44 675 (−35 °C)	—	—	55 200 (−35 C)

G-Box and G-Truck transmission oils

Indicators	Method	G-Box GL-4/GL-5 75W-90	G-Box GL-4 75W-90	G-Box GL-5 75W-90	G-Box GL-5 75W-140	G-Box Expert GL-5 80W-90	G-Truck GL-4/GL-5 80W-90
Kinematic viscosity, at 100 °C, mm²/s	ASTM D445	15,7	15,1	14,9	13,2	14,4	14,7
Flash point in an open crucible, °C	ASTM D92	218	237	229	235	226	228
Freezing point, °C	ASTM D97	−52	−42	−41	−50	−33	−30
Dynamic viscosity according to Brookfield, at −40, −26, −12 °C, MPa*s	ASTM D2983	63 000 (−40 °C)	120 000 (−40 °C)	65 000 (−40 °C)	124 000 (−40 °C)	80 000 (−26 °C)	94 000 (−26 °C)

G-Special hydraulic oils

Indicators	Method	G-Special Hydraulic Nord-32	G-Special Power HVL P-32	G-Special Power HVL P-46	G-Special Hydraulic HVL PD-46	G-Special Hydraulic HVL P-22	G-Special Hydraulic HVL P-32	G-Special Hydraulic HVL P-46	G-Special Hydraulic HVL P-68
Kinematic viscosity at 40 °C, mm²/s	ASTM D445	32	32	46	48	22	32	46	68
Kinematic viscosity at −30, −20, −10 °C, mm²/s	ASTM D445	809 (−30 °C)	1 250 (−20 °C)	856 (−10 °C)	—	747 (−20 °C)	1 226 (−20 °C)	905 (−10 °C)	1 846 (−10 °C)
Viscosity index	ASTM D2270	299	172	171	142	152	156	140	143
Flash point in an open crucible, °C	ASTM D92	144	190	219	213	196	205	208	224
Freezing point, °C	ASTM D97	−53	−56	−51	−46	−50	−45	−43	−40
Cleanliness class, basic (upon request)	GOST 17216	—	12	12	—	12	12	12	12

G-Truck GL-4 80W-90	G-Truck Z 75W-80	G-Truck GL-5 80W-90	G-Truck GL-5 85W-90	G-Truck GL-5 85W-140	G-Truck LS 80W-90	G-Truck LS 85W-90	G-Box ATF DX III	G-Box ATF DX III PAO	G-Box Expert ATF DX III	G-Box ATF DX II
15	9,6	14,4	16,4	25,4	14,6	17,5	7,2	7,5	7,6	7,7
227	236	220	219	221	227	225	220	220	220	215
−31	−46	−30	−27	−24	−32	−26	−54	−54	−54	−54
110 000 (−26 °C)	50 000 (−40 °C)	—	—	—	115 000 (−26 °C)	130 000 (−12 °C)	9 732 (−40 °C)	7 350 (−40 °C)	16 430 (−40 °C)	23 025 (−40 °C)

Gazpromneft hydraulic oils

Indicators	Method	Gazpromneft Hydraulic Nord-32	Gazpromneft Hydraulic HVZF-22	Gazpromneft Hydraulic HVZF-32	Gazpromneft Hydraulic HVZF-46	Gazpromneft Hydraulic HVZF-68	Gazpromneft Hydraulic HVLP-10	Gazpromneft Hydraulic HVLP-15
Kinematic viscosity at 40 °C, mm²/s	ASTM D445	32	22	33	47	70	10	15
Kinematic viscosity at negative temperatures, mm²/s	ASTM D445	2 701 (-40 °C)	714 (-20 °C)	1 349 (-20 °C)	964 (-10 °C)	—	—	—
Viscosity index	ASTM D2270	296	164	164	150	143	171	161
Flash point in an open crucible, °C	ASTM D92	119	210	206	223	228	138	168
Freezing point, °C	GOST 20287	-56	-52	-49	-45	-43	-55	-51

Gazpromneft compressor oils

Indicators	Method	Gazpromneft Compressor F Synth-46	Gazpromneft Compressor F Synth-68	Gazpromneft Compressor S Synth-46	Gazpromneft Compressor S Synth-68	Gazpromneft Compressor S Synth-100	Gazpromneft Compressor S Synth-150	Gazpromneft Compressor Oil-46
Kinematic viscosity at 40 °C, mm²/s	ASTM D445	46	68	46	68	100	150	46
Viscosity index	ASTM D2270	132	146	101	105	103	102	94
Flash point in an open crucible, °C	ASTM D92	260	246	250	241	253	258	227
Freezing point, °C	GOST 20287	-43	-40	-28	-31	-31	-29	-24

The specified values of physical and chemical indicators are typical and may vary slightly from batch to batch. Data for 2025.

Gazpromneft Hydraulic HVLP-22	Gazpromneft Hydraulic HVLP-32	Gazpromneft Hydraulic HVLP-46	Gazpromneft Hydraulic HVLP-68	Gazpromneft Hydraulic All Seasons	Gazpromneft Hydraulic HLP-32	Gazpromneft Hydraulic HLP-37	Gazpromneft Hydraulic HLP-46	Gazpromneft Hydraulic HLP-68	Gazpromneft Hydraulic HLP-100
22	32	46	68	22	32	37	46	68	100
749 (-20 °C)	1 502 (-20 °C)	1 112 (-10 °C)	1 846 (-10 °C)	1 213 (-30 °C)	—	—	—	—	—
151	147	143	144	220	104	99	99	97	95
199	218	201	224	165	223	220	243	241	246
-52	-46	-43	-40	-58	-41	-34	-38	-35	-31

Gazpromneft Compressor Oil-68	Gazpromneft Compressor Oil-100	Gazpromneft Compressor Oil-150	Gazpromneft Compressor Oil-220	Gazpromneft Compressor Oil-320	Gazpromneft Compressor Oil-460	Gazpromneft Compressor Oil-680
68	100	150	220	320	422	630
95	93	93	92	91	92	90
246	257	250	275	271	306	300
-30	-28	-24	-20	-17	-15	-14

The specified values of physical and chemical indicators are typical and may vary slightly from batch to batch. Data for 2025.

Gazpromneft gear oils

Indicators	Method	Gazpromneft Reductor PAO Synth-150	Gazpromneft Reductor PAO Synth-220	Gazpromneft Reductor PAO Synth-320	Gazpromneft Reductor PAO Synth-460	Gazpromneft Reductor PAO Synth-680	Gazpromneft Reductor F Synth-150	Gazpromneft Reductor F Synth-220	Gazpromneft Reductor F Synth-320
Kinematic viscosity at 40 °C, mm²/s	ASTM D445	157,4	221,6	327	460	684,1	150	220	320
Viscosity index	ASTM D2270	154	154	161	168	174	143	151	153
Flash point in an open crucible, °C	ASTM D92	253	255	261	264	267	255	260	265
Freezing point, °C	GOST 20287	−49	−40	−38	−37	−29	−39	−37	−34
FZG A/8.3/90, load stages	DIN ISO 14635-1	>14	>14	>14	>14	>14	>12	>12	>12
Scuff index, N	GOST 9490	—	—	—	—	—	—	—	—
Wear spot diameter, mm	GOST 9490	—	—	—	—	—	—	—	—

Special oils

Indicators	Method	G-Garden Chain&Bar	Gazpromneft Chain Oil	G-Motion 2T	Gazpromneft Moto 2T	G-Wave 2T
Kinematic viscosity at 100 °C, mm²/s	ASTM D445	11,2	11,4	9,9	8,4	6,9
Flash point in an open crucible, °C	ASTM D92	233	244	159	240	150
Freezing point, °C	GOST 20287	−30	−31	−42	−30	−45
Sulfate ash content [% by mass]	ASTM D874	—	—	0,10	0,06	—

The specified values of physical and chemical indicators are typical and may vary slightly from batch to batch. Data for 2025.

Gazpromneft F Synth-460	Gazpromneft Reductor CLP-68	Gazpromneft Reductor CLP-100	Gazpromneft Reductor CLP-150	Gazpromneft Reductor CLP-220	Gazpromneft Reductor CLP-320	Gazpromneft Reductor CLP-460	Gazpromneft Reductor CLP-680
460	68	100	150	220	320	460	680
145	96	95	94	93	93	93	90
265	230	240	241	247	247	253	255
-30	-32	-31	-25	-23	-19	-15	-14
>12	—	—	—	—	—	—	—
—	448	466	504	478	475	473	545
—	0,42	0,31	0,35	0,32	0,29	0,47	0,43

The specified values of physical and chemical indicators are typical and may vary slightly from batch to batch. Data for 2025.



Benefits of working with Gazpromneft-Lubricants



Compliance with OEM requirements, application recommendations, positive application experience.



Optimal replacement interval.



A comprehensive product offering.



Technical expertise in lubricant application.



Optimal logistics and an extensive supply chain.

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Abbreviations and symbols

SAE xxW-xx

Classification of oils by viscosity.

API Sx/Cx; ACEA Ex; JASO DH-x

Classification of lubricants by performance levels and areas of application.

MB xxx, Cummins CES 200xx, Caterpillar ECF-x, Volvo VDS-x, Deutz DQC xx и другие

Automotive manufacturer specifications. These are typically characterized by higher requirements than those set by API, ACEA, and JASO.

EGR

An exhaust gas recirculation system installed on gasoline and diesel engines to reduce exhaust toxicity.

SCR

A selective catalytic converter installed on diesel engines to reduce exhaust toxicity.

DPF

Particulate filters installed on diesel engines to reduce exhaust toxicity.

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