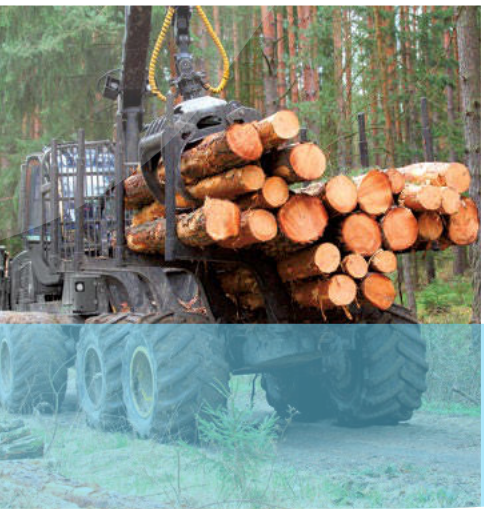







GAZPROMNEFT-LUBRICANTS — SOLUTIONS FOR YOUR BUSINESS

GAZPROM NEFT / GAZPROMNEFT LUBRICANTS

gazpromneft-sm.ru

GAZPROMNEFT - LUBRICANTS IS A SUBSIDIARY OF GAZPROM NEFT SPECIALIZING IN THE PRODUCTION AND SALE OF OILS, LUBRICANTS AND TECHNICAL LIQUIDS.

4 **PRODUCTION SITES** IN RUSSIA

4 **OFFICES** IN RUSSIA, BELARUS, KAZAKHSTAN

№14 **IN THE WORLD*** IN TERMS OF LUBRICANT PRODUCTION IN RUSSIA

74 **COUNTRIES —** GEOGRAPHY OF SUPPLY



№1

IN RUSSIA BY SALES VOLUME OF PACKAGED PRODUCTS**

590

THOUSAND TONS OF OILS, GREASES AND TECHNICAL FLUIDS PER YEAR

BUSINESS

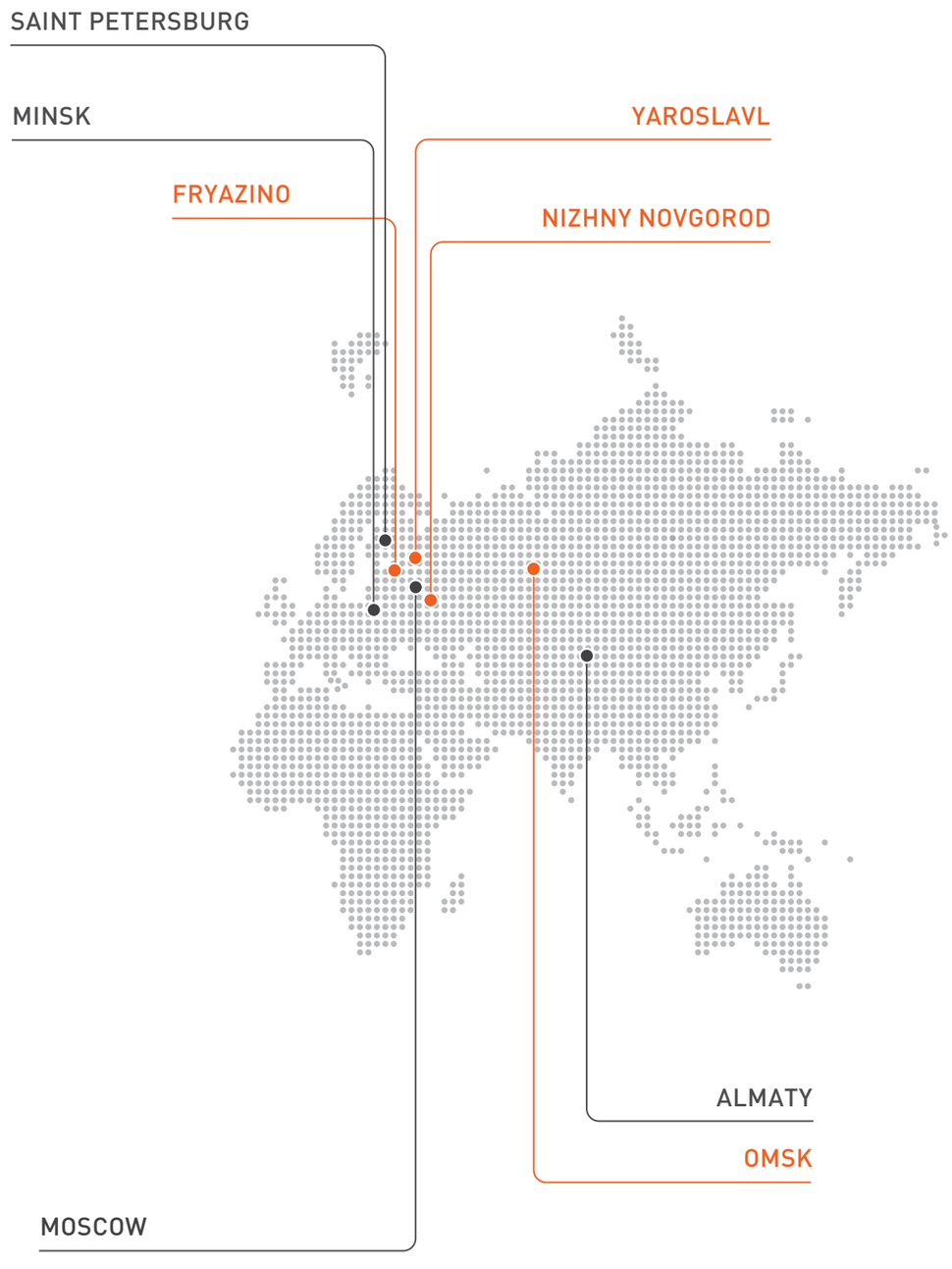
- Production of synthetic and mineral base oils (API groups I, II, III and V)
- Development and production of additive packages
- International network of service stations G-Energy Service
- The company's management system and production assets meet the requirements of international standards

ISO 9001 ISO 45001 ISO 14001

SCALE

- More than 150 distributors
- More than 1000 products
- 1st place in the Russian marine oil market**

* According to Kline + Company research.
** Based on 2024 data.



Production sites Representative offices and branches

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

WIDE RANGE OF HIGH-QUALITY PRODUCTS

The product range includes more than 1000 different types of oils, greases and technical fluids for all market segments.



Lubricants and technical fluids of G-Energy, G-Profi, G-Special, G-Box, G-Truck brands have improved performance characteristics and exceed the requirements of machinery manufacturers.



The product line of Gazpromneft brand lubricants and technical fluids meets the requirements of machinery manufacturers and ensures reliable operation.

Ready-to-use products

- **Moscow Lubricants Plant (Fryazino):** blending and packing of lubricants
- **Rospolikhim (Nizhny Novgorod):** blending and packing of lubricants
- **Omsk Lubricants Plant (Omsk):** blending and packing of lubricants, grease production

TECHNICAL SERVICE TO ASSESS THE CURRENT CONDITION OF THE OIL AND THE TECHNICAL CONDITION OF THE UNIT

Purpose of the service

The service allows car owners to take advantage of a unique opportunity to examine the current condition of the used motor oil by means of a mobile laboratory to assess the technical condition of the vehicle power unit.

Service essence

Studies are conducted by G-Profi Expert Center specialists on the basis of G-Energy Service, as well as service stations - partners of Gazpromneft-Lubricants Ltd. - as part of regular technical events. The days of technical events are determined in advance, and the information is broadcast through the media. On the day of the service, a sample of running engine oil is taken and analyzed by a mobile laboratory, followed by the issuance of a conclusion and recommendations directly at the site of the event.



IR spectrometer



xRF-spectrometer



Mini viscometer

Customer focus is the company's priority, within the framework of which the regional G-Profi Expert Center and the G-Lab IT solution for storing and processing test results have been created.

G-Profi Expert Center is available in the following cities:

- Vladivostok
- Irkutsk
- Magadan
- Yekaterinburg
- Arkhangelsk
- Murmansk
- Barnaul
- Krasnoyarsk
- Stavropol
- Moscow
- Karaganda (RK)
- Orenburg
- Neryungri
- Abakan
- Tripoli (Libya)
- St. Petersburg
- Yerevan (Armenia)
- Samara
- Nizhny Novgorod
- Novosibirsk
- Khabarovsk
- Chelyabinsk
- Ufa
- Kazan
- Almaty (RK)
- Volgograd
- Voronezh
- Petrozavodsk
- Novokuznetsk

Technical service is a tool for increasing the efficiency of lubricant application and ensuring reliable vehicle operation

The condition of the engine oil depends significantly on the individual operating characteristics of your vehicle.

The technical service allows you to assess the current condition of the lubricant and, taking into account the current operating time of the product, to optimize the frequency of its use or to select an alternative product that is better suited to the adopted change interval.

In addition to assessing the properties of the engine oil, the technical service allows you to identify hidden faults in the systems and mechanisms of the unit.

ENGINE OILS

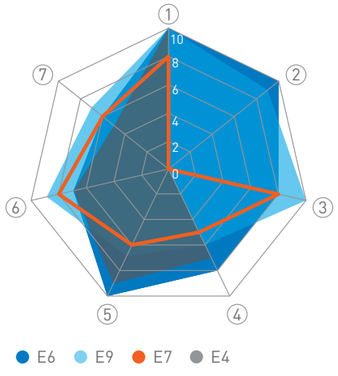


General reference for viscosity selection based on ambient temperatures

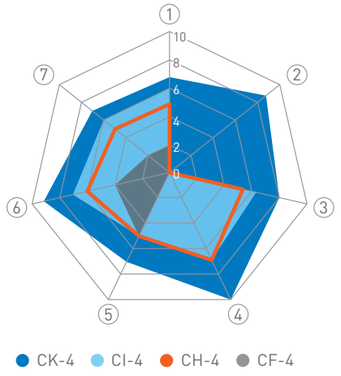


Relative performance comparison

ACEA



API



1. Protection against cylinder liner polishing
2. Compatibility with particulate filters
3. Corrosion protection
4. Prevention of oxidation thickening
5. High-temperature deposits
6. Protection against soot
7. Wear protection

G-Profi ENGINE OIL

A family of premium motor oils designed for use in heavy-duty diesel engines of commercial truck, specialty and off-road equipment of ecological class up to Euro-6 inclusive. Developed in accordance with the specifications of European, American and Asian engine manufacturers.

G-Profi engine oils

Name, SAE viscosity grade	Compatible with emission control systems: EGR+ SCR	Compatible with emission control systems: DPF	Suitable for gas-fueled engines	Environmental class of the engine	Conformity to API classification	Conformity to ACEA classification
G-Profi GT LA 10W-40	✔	✔	✔	Euro-5, -6	CI-4	E6/E9/E7
G-Profi MSK 5W-30	✔	✔	✔	Euro-5, -6	CK-4	E6/E9/E7
G-Profi MSK 5W-40, 10W-30, 15W-40	✔	✔	✔	Euro-5, -6	CK-4	E9/E7
G-Profi GTS 5W-30, 10W-40	✔			≤Euro-5	CI-4	E4/E7
G-Profi GT 5W-30, 10W-40	✔			≤Euro-5	CI-4	E4/E7
G-Profi MSI Plus 15W-40	✔			≤Euro-4	CI-4/SL	E7
G-Profi MSI 5W-40, 10W-40	✔			≤Euro-4	CI-4/SL	E7
G-Profi MSH 10W-40, 15W-40				≤Euro-3	CH-4/SL	E7
G-Profi MSF 10W-40, 15W-40, 10W-30				≤Euro-2	CF-4/ CF/SG	
G-Profi CNG LA Plus 15W-40	✔		✔			
G-Profi CNG LA 10W-40, 15W-40	✔		✔		CF	
G-Profi CNG 15W-40			✔		CG-4/SJ	

GAZPROMNEFT ENGINE OIL

A family of engine oils designed for use in heavy-duty diesel engines of commercial cargo, special and off-road vehicles of ecological class from Euro-1 to Euro-4.

Gazpromneft Diesel engine oils

Name, SAE viscosity grade	Compatible with emission control systems: EGR+ SCR	Compatible with emission control systems: DPF	Environmental class of the engine	Conformity to API classification	Conformity to ACEA classification
Gazpromneft Diesel Ultra LA 10W-40	✔	✔	≤Euro-6	CI-4	E6, E9, E7
Gazpromneft Diesel Ultra CS 10W-40	✔	✔	≤Euro-6	CK-4	E9, E7
Gazpromneft Diesel Ultra 5W-30, 10W-40, 15W-40	✔		≤Euro-5	CI-4	E4, E7
Gazpromneft Diesel Premium 5W-40, 10W-30, 10W-40, 15W-40	✔		≤Euro-4	CI-4/SL	E7
Gazpromneft Diesel Prioritet 10W-30, 10W-40, 15W-40, 20W-50			≤Euro-3	CH-4/SJ	
Gazpromneft Diesel Extra 10W, 30, 40, 50, 10W-40, 15W-40, 20W-50			≤Euro-2	CF-4/SG	
Gazpromneft Turbo Universal 15W-40, 10W-50, 20W-50			≤Euro-1	CD	
Gazpromneft HD 40, 50, 60			≤Euro-1	CC	

TRANSMISSION OILS



The G-Truck, G-Box and Gazpromneft families of premium transmission oils are designed for use in the transmission units of commercial truck, specialty and off-road equipment. They have the necessary manufacturers' approvals for use in transmissions of modern machinery.

Property symbols

- Antiwear
- Friction
- EP — Anti-Seize
- Compatible with non-ferrous metals
- LONG LIFE — Extended replacement interval

Classification of transmission oils

	API GL-4	API GL-5	API GL-4/GL-5
Application	Manual transmissions and other lightly loaded transmission units	Differentials, gearboxes with steel synchronizers or non-synchronous gearboxes	Various transmission units with 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-Box Expert GL-4 75W-90, 80W-85	G-Truck GL-5 80W-90, 85W-90, 85W-140, 75W-140 G-Box GL-5 75W-90 G-Box Expert GL-5 75W-90, 80W-90 Special oils for LS 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-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

UNIVERSAL OILS







G-Special

A series of universal transmission-hydraulic oils G-Special is designed for use in various units of loading and unloading, construction, mining, agricultural, logging and other special equipment.

G-Special universal oils

Name, SAE viscosity grade	Protection against deposit formation	Application temperature range	Stability of viscosity properties	Low temperature properties	Basic application technique
G-Special UTTO Premium 10W-30	■■	■□	■□	■□	
G-Special UTTO 10W-30	■□	■□	■□	■□	
G-Special STOU 10W-30, 10W-40*	■□	■□	■□	■□	
G-Special TO-4 5W-30	■■	■■	■□	■■	
G-Special TO-4 Arctic 0W-20	■■	■□	■□	■■	
G-Special TO-4					
10W	■□	■□	■■	■□	
30, 50	■□	■□	■■	■□	

■ Relative property reserve index.

* Can be used in internal combustion engines.

HYDRAULIC OILS



DIN 51524	ISO 6743/4	Type of oil	Application
H	**HH**	Mineral oils without additives	Hydraulic systems of past generations with gear and piston pumps operating under low pressure conditions.
HL	**HL**	Mineral oils with antioxidant and anti-corrosion additives	Past generations of hydraulic systems with all types of pumps operating at different pressures. Extended drain interval compared to the previous category.
HLP	**HM**	HL + anti-wear additives	Modern hydraulic systems with all types of pumps, even at high pressures, where additional requirements for anti-wear properties must be met. Suitable for positive ambient temperatures (indoor and outdoor operation above 0 °C).
HVLP	**HV**	HM + viscosity modifiers	Modern hydraulic systems with all types of pumps, even at high pressures, where additional requirements for antiwear properties must be met. Suitable for various ambient temperatures (including ambient temperatures below 0 °C).
HVLPD		HV + dispersant or detergent additives	Modern hydraulic systems with all types of pumps, operating even at high pressure under conditions of possible water ingress, dirt, etc., when water cannot be drained from the system. Applicable in various ambient temperature conditions.

G-Special

G-Special family of premium hydraulic oils designed for use in hydraulic drives of mobile commercial truck, specialty and off-road equipment.

G-Special hydraulic oils for mobile machinery

Name, ISO viscosity grade	Base oil	Low temperature properties	Water separation ability	Water retention capacity	Zinc-free technology
G-Special Hydraulic Nord-32		■■■■	✔		
G-Special Power HVLP-32, -46		■■■□	✔		
G-Special Hydraulic HVLP-22, -32, -46, -68		■■□□	✔		
G-Special Hydraulic HVLPD-46		■■□□		✔	✔

Synthetic oils — Mineral oils — ■ Relative property reserve index

✔ Indicates that the characteristic in the table header is applicable to the product.

GAZPROMNEFT

A family of Gazpromneft hydraulic oils designed for use in hydraulic systems of a wide range of industrial equipment, commercial trucks, specialty and off-road vehicles. They meet the requirements of manufacturers' specifications (Bosch Rexroth, Denison, Eaton Vickers, Cincinnati Machine) for use in modern hydraulic systems.

Gazpromneft Hydraulic oils

Name, ISO viscosity grade	All-season	Water separation ability	Water retention capacity	Zinc-free technology
Gazpromneft Hydraulic HVLP-10, -15, -22, -32, -46, -68	✔	✔		
Gazpromneft Hydraulic HVZF-22, -32, -46, -68	✔	✔		✔
Gazpromneft Hydraulic HLP-32, -46, -68, -100		✔		
Gazpromneft Hydraulic HZF-32, -46, -68		✔		✔
Gazpromneft Hydraulic HLPD -32, -46, -68			✔	✔
Gazpromneft Hydraulic Nord-32		✔		

✔ Indicates that the characteristic in the table header is applicable to the product.

GEAR OILS



GAZPROMNEFT

A range of Gazpromneft Reductor gear oils designed for use in a wide range of industrial transmissions and gearboxes. They have the approvals of key equipment manufacturers, so they can be used in gearboxes, including the most modern units.

Gazpromneft gear oils

Name, ISO viscosity grade	Base oil	Anti-scuffing properties	Oxidation resistance	Corrosion protection	Anti-foaming properties	Low temperature properties
Gazpromneft Reductor PAO Synth-150, -220, -320, -460, -680	Synthetic	■■	■■	■■	■■	■■
Gazpromneft Reductor F Synth-150, -220, -320, -460	Synthetic	■■	■■	■■	■■	■■
Gazpromneft Reductor CLP-68, -100, -150, -220, -320, -460, -680	Mineral	■■	■■	■■	■■	■■
Gazpromneft Reductor WS-100, -150, -220	Mineral	■■	■■	■■	■■	■■
Газпромнефть Редуктор ИТД -68, -100, -150, -220, -320, -460, -680	Mineral	■■	■■	■■	■■	■■

Synthetic base oil

Mineral base oil

■ Relative property stock index

COMPRESSOR OILS



GAZPROMNEFT

Gazpromneft Compressor is a series of compressor oils designed for use in lubrication systems of stationary and mobile compressors of various capacities of volumetric and dynamic types, including the most modern units.

Gazpromneft compressor oils

DIN 51506	Name, ISO viscosity grade	Base oils	Deposit protection	High temperature stability	Low temperature properties	Rotary compressor applications	Use in reciprocating compressors
VDL	Gazpromneft Compressor F Synth ISO VG 46, 68	Synthetic	■■	■■	■■	✓	
	Gazpromneft Compressor S Synth ISO VG 46, 68	Mineral	■■	■■	■■	✓	
	Gazpromneft Compressor S Synth ISO VG 100, 150	Mineral	■■	■■	■■		✓
VCL	Gazpromneft Compressor Oil ISO VG 46, 68	Semi-synthetic	■■	■■	■■	✓	
	Gazpromneft Compressor Oil ISO VG 100, 150, 220, 320	Semi-synthetic	■■	■■	■■		✓

Synthetic base oil

Mineral base oil

Semi-synthetic base oil

■ Relative property stock index

✓ Indicates that the characteristic in the table header applies to the product

GREASES

Gazpromneft Grease

A family of greases thickened with various soaps and thickeners, designed for use in various friction units of a wide range of industrial equipment, as well as passenger cars, commercial trucks, special and off-road vehicles.

Unlike oils, grease is a multi-component system.

Grease

Base oil

- Mineral
  - Distillate
  - Residual
- Synthetic
  - Polyalphaolefins
  - Compound esters
  - Silicones
  - Perfluoropolyesters
  - Polyphenylethers

Its type and viscosity determine the temperature range of the grease and its applicability in the bearing on the basis of speed coefficient.

Thickener

- Soap
  - Lithium (lithium-complex)
  - Calcium (calcium-comp.)
  - Lithium-Calcium
  - Sodium
  - Aluminum, etc.
- Non-soapy
  - Bentonite
  - Polyurea
  - Sulfonate
  - Ceresin, etc.

Its nature and concentration determine the grease's density, dropping point, and basic parameters such as water resistance, mechanical stability, etc. It is not used in all greases and serves mainly to give special characteristics to the grease.

Filler

- Molybdenum disulfide
- Graphite
- Powders of copper and other metals

It is not used in all greases and serves mainly to impart special anti-wear and anti-seize properties and to counteract shock loads.

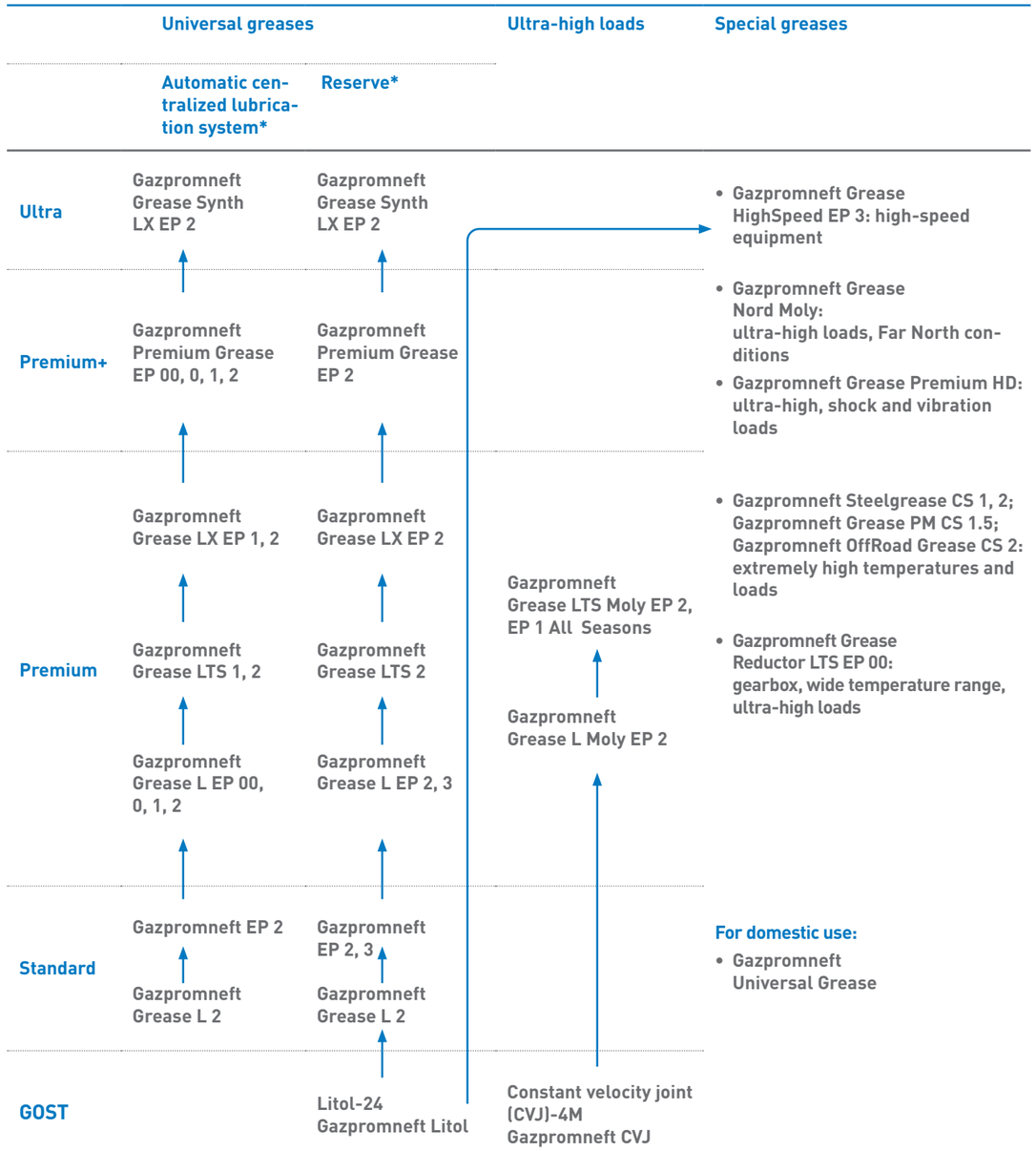
Additives

- Anti-seize
- Anti-wear
- Adhesive
- Anticorrosive, etc.

As in lubricating oils, it is used to impart improved performance properties.

! For proper selection of grease, it is necessary to rely on the requirements of the equipment manufacturer, and if they are unknown, to take into account the design features and operating conditions of a particular unit (type of load, lubrication method, lubrication interval, temperature, speed of rotation, ingress of moisture and contaminants). When substituting products, it is also necessary to assess the possibility of mixing with residues of the previously used grease.

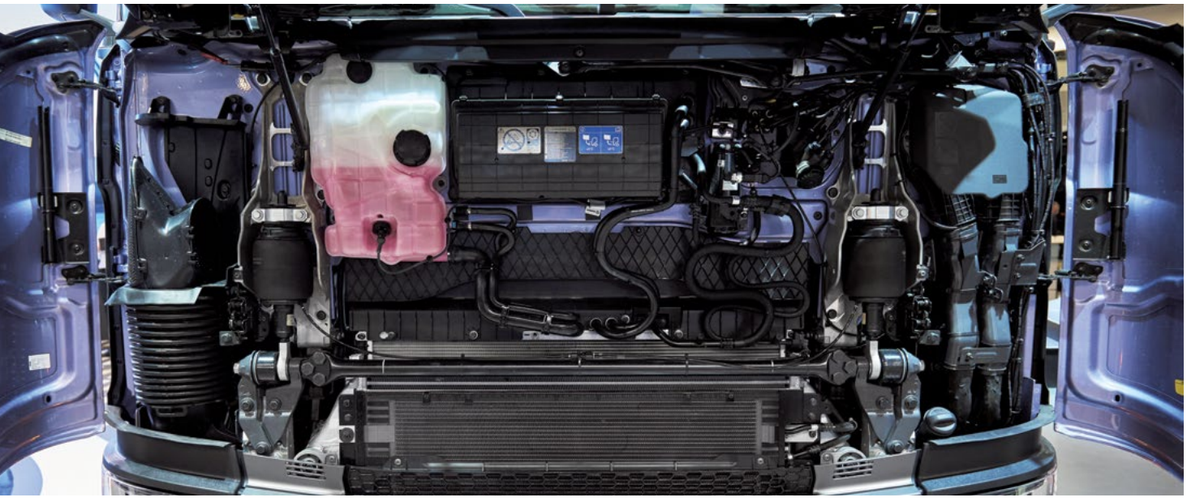
STRUCTURE OF THE RANGE OF GREASES



↑ It is possible to change to a higher level grease provided the same NLGI class is selected.

* Depending on the consistency of the grease (NLGI grade), greases can be used either in ACLS (automatic centralized lubrication system) or as an embedded grease. NLGI class 2 greases are universal and can be used both in ACLS and as embedded greases.

COOLANTS



G-Energy Antifreeze

The line of coolants based on ethylene glycol due to the use of additive packages based on various technologies (OAT, Hybrid, Lobrid) allows servicing a wide fleet of vehicles, including the most modern ones.

Gazpromneft Antifreeze

The line of coolants based on ethylene glycol and various technologies (OAT, hybrid, traditional) allows to service machinery from the most modern to Soviet-made equipment.

Gazpromneft-Lubricants antifreezes are successfully used in the following applications

In commercial vehicles and special equipment

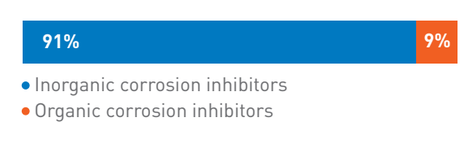
In stationary engines

In passenger cars

CLASSIFICATION OF ANTIFREEZES BY ADDITIVE TECHNOLOGY

1 Conventional Technology

Conventional coolants contain inorganic corrosion inhibitors - IAT (Inorganic Acid Technology).





Gazpromneft Antifreeze

Gazpromneft Antifreeze BS

Gazpromneft TOSOL

2 Carboxylate technology

Carboxylate coolants contain corrosion inhibitors based on organic acid salts - OAT (Organic Acid Technology).





G-Energy Antifreeze SNF

G-Energy Antifreeze

G-Energy Antifreeze RED

Gazpromneft Antifreeze SF12+

3 Hybrid technology

Hybrid coolants contain both inhibitors based on organic acid salts and inorganic corrosion inhibitors, usually silicates or phosphates (NF (Nitrite Free). The content of inorganic inhibitors in the additive package can be up to 90%.





G-Energy Antifreeze NF

4 Lobrid technology

Such antifreezes contain corrosion inhibitors based on organic acid salts with the addition of inorganic inhibitors such as silicates (Si-OAT) in small concentrations (not more than 10%).





G-Energy Antifreeze Si-OAT

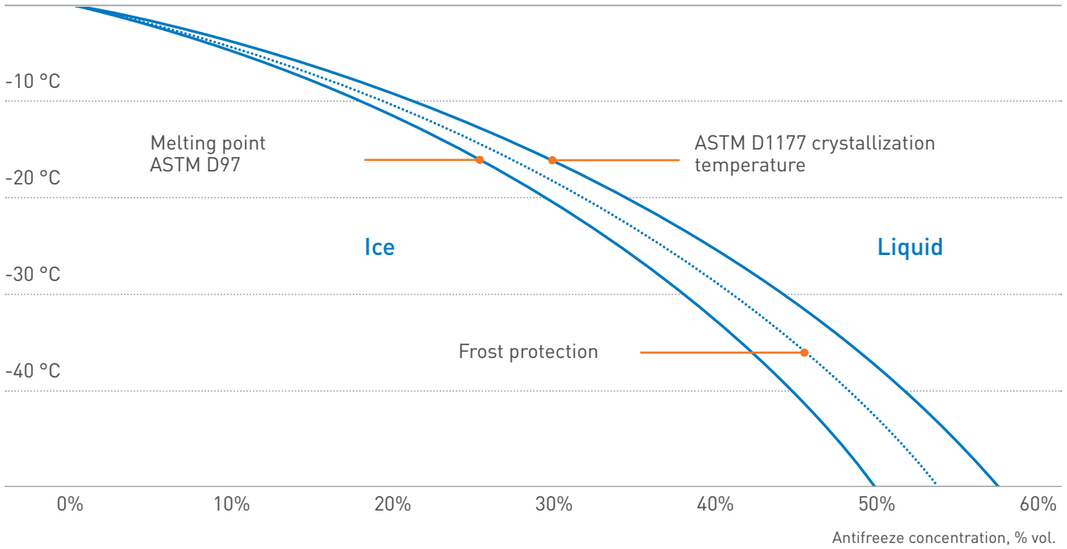
G-Energy Antifreeze HD

G-Energy Antifreeze P-OAT Green

G-Energy Antifreeze PSi-OAT

Coolants are sold both ready-to-use and as concentrates. The following is a dilution chart for coolant concentrate.

Freeze protection temperature* vs. antifreeze concentration graph



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

Table of concentrate dilution with water before use

Component ratio		Freeze protection temperature
Concentrate	Water	
2 parts	Part 1	-65 °C
Part 1	Part 1	-40 °C



Why Gazpromneft-Lubricants

- Original equipment manufacturer (OEM) approvals and proven performance
- Improved productivity
- High performance products, services and solutions
- Industry technical expertise
- Worldwide availability, extended delivery network

GAZPROM NEFT / GAZPROMNEFT LUBRICANTS

Gazpromneft-Lubricants, Ltd.

14/3 Krzhyzhanovskogo Street, Moscow, 117218, Russia
Tel.: +7 (495) 642-99-69
gazpromneft-sm.ru
2025