

Gazpromneft HTO 32



Industrial heating systems



High anti-oxidation stability



Semi-synthetic oil

Gazpromneft HTO 32 is semi-synthetic heat transfer oil intended for use in open and closed circuits of heating systems with intensive forced circulation. Due to use of synthetic components, it provides high thermal and thermo-oxidative stability, reducing the number of deposits on the heating system elements.

Characteristics/Advantages/Potential benefits

- High thermo-oxidative stability → reduction of deposits formation on the walls of heat-exchange equipment → maximization of service life
- Stability against thermal degradation → absence of coke deposits in the system → reduce of likelihood of unscheduled downtimes
- Good low temperatures properties → stable pumpability at various temperatures → possibility to start and operation of the heating system at wide temperature range
- Optimal content → compatibility with the construction materials → retains resource of heat exchangers and seals
- Absence of carcinogenic substances → absence of harmful substances → industrial safety

Applications

- Open and closed circulated heat transfer systems
- Industrial applications (manufacturing, chemical, oil and gas plants, incl. for heating systems of pipelines at oil sea terminals and other industries)
- In thermo-oil baking ovens where oil food grade approval is not required
- At home: Oil-filled radiator heaters
- In open circulation systems oil temperature should not exceed 180°C, in closed circulation systems oil temperature should not exceed 330°C

Specifications	Gazpromneft HTO 32
ISO 6743-12 (Q)	✓

Typical Physical and Chemical Characteristics

Parameters	Method	Gazpromneft HTO 32
Kinematic Viscosity @100°C, mm ² /s	ASTM D445	5,7
Flash Point (COC), °C	ASTM D92	231
Pour Point, °C	GOST 20287	-42
TAN, mg KOH/g	GOST 11362	0,03
Density @ 20°C, kg/m ³	ASTM D4052	860
Water content, % (mass)	GOST 2477	Absence
Mass fraction of mechanical impurities, %	GOST 6370	Absence

The company's management system is certified in accordance with the international standards

ISO 9001



ISO 14001



ISO 45001

