

## Gazpromneft HTO 32

Heat Transfer Oil



Industrial heat transfer systems



Oxidation stability



Semisynthetic

**Gazpromneft HTO 32** is semisynthetic heat transfer oil intended for use in indirect closed fluid heat transfer systems. It is recommended for use in indirect heating and cooling systems in all kinds of industrial processes. It is formulated with the use of synthetic technology that provides enhanced resistance to thermal cracking and chemical oxidation compare to conventional base oils. Gazpromneft HTO 32 is recommended for use in indirect heating and cooling systems in all kinds of industrial processes.

### Applications

- Open and closed circulated heat transfer systems for industrial applications
- Oil-filled radiator heaters
- In open circulation systems Gazpromneft HTO 32 can be used where bulk oil temperatures do not exceed 180°C, in closed circulation systems Gazpromneft HTO 32 can be used with skin temperatures up to 330°C

Features	Advantages & Potential Benefits
High oxidation and thermal stability	Lower sludge and coke deposits formation. Longer oil life, lower interference with heat transfer capability and minimized maintenance needs
Excellent thermal properties	Good heat transfer rates and improved operating efficiency and lower operating costs
Good low temperature properties	Easy starting of cold systems

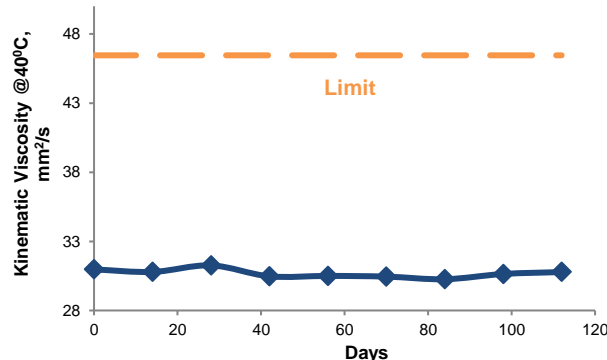
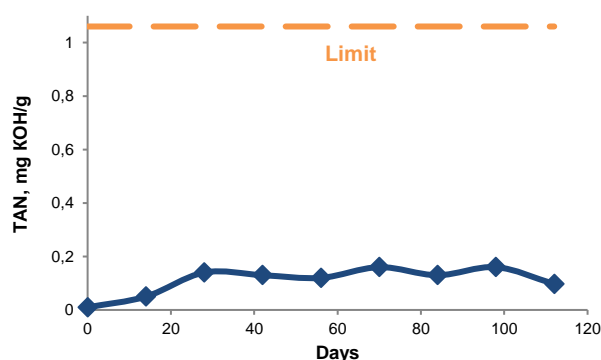
### Meets the requirements

- ISO 6743-12 (Q)

### Typical Characteristics

Properties	Method	Gazpromneft HTO 32
Kinematic Viscosity @40°C, mm <sup>2</sup> /s	ASTM D445	32,0
Kinematic Viscosity @100°C, mm <sup>2</sup> /s	ASTM D445	5,5
Flash Point (COC), °C	ASTM D92	232
Pour Point, °C	ASTM D97	-34
TAN, mg KOH/g	ISO 6619	0,1
Density @15°C, kg/m <sup>3</sup>	ASTM D4052	860

### Field test results (heat exchangers of vacuum tower bottoms)



ISO 9001

ISO 14001

ISO/TS 16949

OHSAS 18001

CERTIFIED

## Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.