

G-Special Hydraulic Nord-32



Hydraulic systems



All-season application



Excellent low-temperature properties



Anti-oxidation stability



High anti-wear properties



Excellent filterability



Zn-free additive package

G-Special Hydraulic Nord-32 – Zn-free hydraulic oil with excellent low-temperature properties based on synthetic components of group IV (PAO) and group V according to API classification. Designed for hydraulic systems of mobile equipment operating in the Far North. Due to excellent viscosity-temperature characteristics, high anti-wear protection, oxidation stability and good filterability, oil allows to maximize the service life of the hydraulic system.

Application



- Hydraulic systems of mobile equipment operating at very low ambient temperatures.
- For all-season application in mining, logging, construction, and agricultural equipment.
- Stationary equipment used outdoors and at very low ambient temperatures.

Advantages/Potential benefits

G-Special Hydraulic Nord-32 with the use of synthetic base and a high-tech viscosity modifier allows to provide high efficiency of the hydraulic system at subzero ambient temperatures:

Characteristics	Advantages/Potential benefits
Excellent low temperature properties	Possibility of hydraulic system to operate in Arctic conditions – reducing equipment downtime
Good viscosity-temperature characteristics	Possibility of use in a wide temperature range – reducing the maintenance cost
High anti-oxidation stability	Minimization of deposits that impair filterability – high performance of the hydraulic system
Resistance to foam formation	Reliability of hydraulic pumps – reduction of repair costs
Excellent resistance to mechanical destruction	Viscosity stability – providing of extending drain intervals and reliability of equipment operations
Excellent antiwear properties	Ensuring the protection of hydraulic system components - reducing unplanned downtime

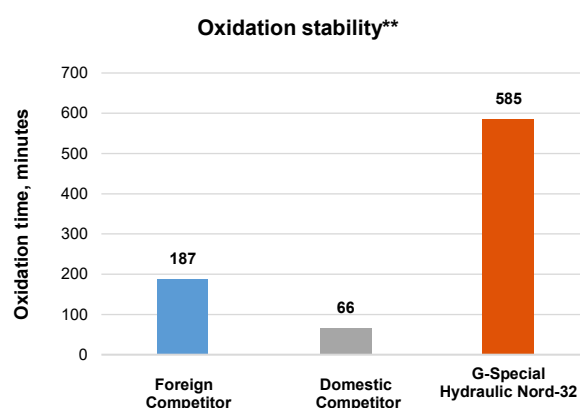
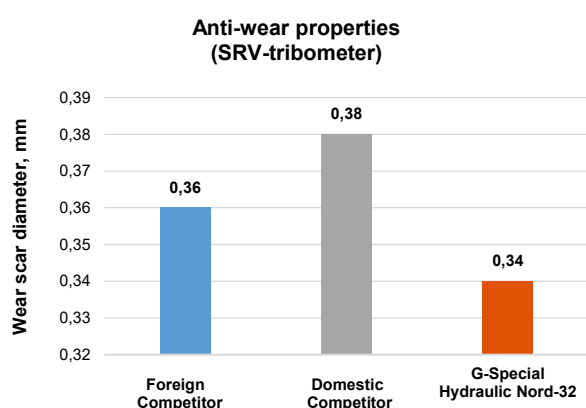
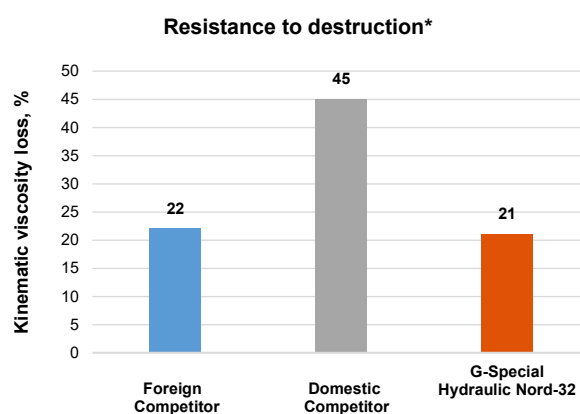
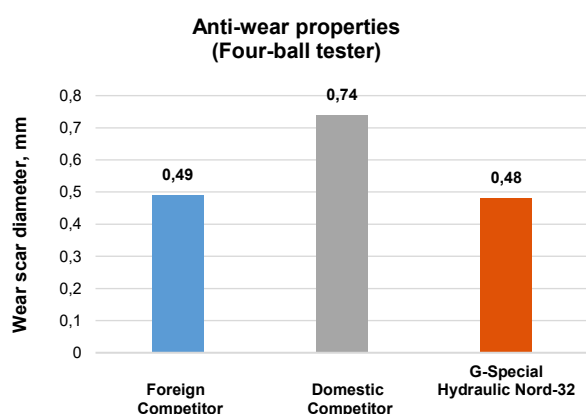
Typical physical and chemical characteristics

Parameters	Value	Method
Kinematic viscosity, mm ² /s at 40 °C at 100 °C at -30 °C	32,4 9,8 840,7	GOST 33
Viscosity Index	307	GOST 25371
Cleanliness Class	12	GOST 17216
Flash point, COC, °C	148	GOST 4333
Pour point, °C	-58	GOST 20287
Density at 20 °C, kg/m ³	851,2	GOST R 57037

Specifications

- DIN 51524 Part 3 (Except Flash Point)

G-Special Hydraulic Nord- 32 hydraulic oil provides excellent anti-wear properties and resistance to the viscosity change:



G-Special Hydraulic Nord-32 oil effectively protects the surfaces of friction pairs in hydraulic systems against wear under normal and increased loads

Due to high viscosity stability and excellent thermal-oxidative properties, G-Special Hydraulic Nord-32 oil retains efficiency of hydraulic system operation under high loads and protects against varnish deposits throughout entire drain interval

*Tect ASTM D445
**Tect ASTM D2272

Compared to competitors, hydraulic oil **G-Special Hydraulic Nord-32** provides excellent sediment resistance according to the test **ASTM D4310**:



Domestic competitor



Domestic competitor
(Zn-containing additive package)



Foreign competitor



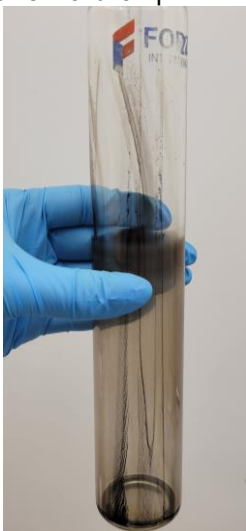
G-Special Hydraulic Nord-32
(Zn-free additive package)



Hydraulic oil **G-Special Hydraulic Nord-32** provides excellent thermal-oxidative stability according to **DKA** test:



Domestic competitor



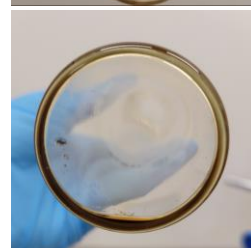
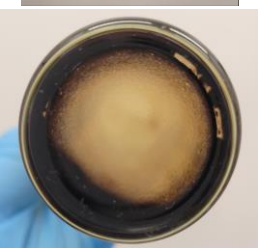
Domestic competitor
(Zn-containing additive package)



Foreign competitor



G-Special Hydraulic Nord-32
(Zn-free additive package)



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

ISO 9001



ISO 14001



ISO 45001

