

G-Special Hydraulic Nord-32

Special Application Multipurpose Hydraulic Oil



Hydraulic systems



Excellent low temperature performance



EP properties



Oxidation Stability



Antiwear protection



Excellent filterability

G-Special Hydraulic Nord-32 is high performance hydraulic fluid designed for use in applications subjected to extremely low ambient temperatures such as mining or forestry applications in arctic or exposed areas. It is based on specially selected PAO base oils and advanced additive technology to provide long oil life, reduced shear rate and minimized deposit formation in hydraulic systems operating in severe cold conditions.

Applications



- Hydraulic and fluid power transmission systems operating in extremely low ambient temperatures. Systems that must be started-up at extremely low temperatures, with a subsequent temperature increase during operation
- Mobile hydraulic units (construction, mining, quarrying, logging)
- Stationary hydraulic equipment operating outdoors in extremely cold climate

Features	Advantages and Potential Benefits
Excellent low temperature performance	Low temperature pumpability reduced time from start-up to production. Excellent protection for components during extreme cold temperature operation.
High viscosity index and good shear stability	Enhanced to help provide the required oil film to protect parts, over a long service life.
Oxidation resistance	Resist the formation of acidic products and sludge
Excellent anti-wear properties	Proven additives help to reduce wear and protects pumps and components for extended equipment life
Rapid air release	Quick air release without excessive foaming and reduce cavitation to prolong engine life
Good compatibility with seal materials	Reduced leakage, oil consumption and contamination entering helping to reduce maintenance, extend equipment reliability and higher productivity

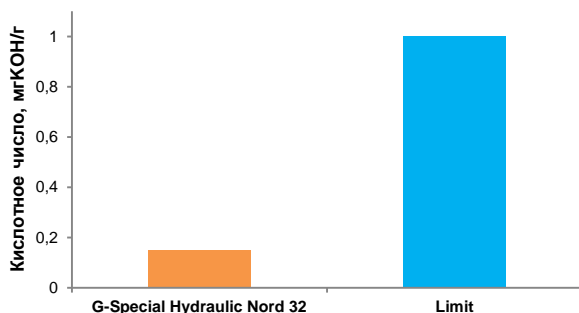
Meets the requirements:

- DIN 51524 Part 3

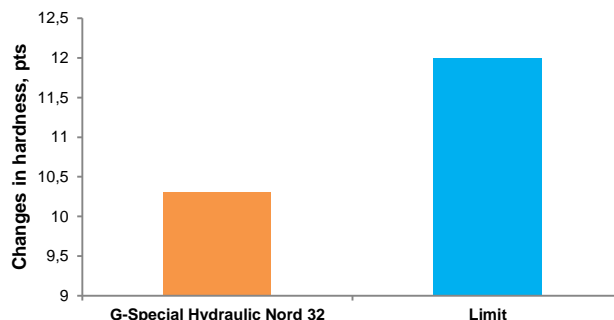
Typical Characteristics

Properties	Method	G-Special Hydraulic Nord-32
ISO Viscosity Grade		32
Kinematic Viscosity @40°C, mm ² /s	ASTM D445	31,1
Kinematic Viscosity @100°C, mm ² /s	ASTM D445	9,4
Kinematic Viscosity @-30°C, mm ² /s	ASTM D445	450
Viscosity Index	ASTM D2270	308
Flash Point (COC), °C	ASTM D92	139
Pour Point, °C	ASTM D97	-56
Density @15°C, kg/m ³	ASTM D4052	850

Oxidation stability*



Elastomer Compatibility**



*ASTM D4310; **ISO 6427

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.