

G-Special Hydraulic HVLDP-46

Detergent Hydraulic Oil



Hydraulic systems



Multigrade



Emulsifying properties



Improved dispersancy



Antiwear protection



Mineral base oils

G-Special Hydraulic HVLDP-46 is high performance detergent based oils designed for hydraulic systems on stationary and mobile equipment that operate in climates where ambient temperatures can vary widely. It based on specially selected high viscosity index base oils and advanced ashless additive technology coupled with highly shear viscosity modifiers to provide reliable performance in applications where contamination by water is unavoidable.

Applications



- Hydraulic and fluid power transmission systems operating in wide variations of temperature and where water or contamination may enter the system
- Mobile hydraulic units (excavators, bulldozers, wheel loaders, trucks)
- Stationary hydraulic equipment operating outdoors

Features	Advantages and Potential Benefits
Excellent demulsibility	Preventing water accumulation, without deteriorating the good anticorrosion and lubrication properties
Special detergent/dispersant additive system	Excellent keep-clean performance in the hydraulic system
High viscosity index and good shear stability	Enhanced to help provide the required oil film to protect parts, over a long service life.
Ashless friction additives	Reduced wear for systems using various metallurgy for excellent performance of components. Providing non contaminated waste water for environmentally friendly disposal
Excellent corrosion protection	Preventing corrosion in the presence of water for increased equipment protection and equipment life
Good compatibility with seal materials	Reduced leakage, oil consumption and contamination entering helping to reduce maintenance, extend equipment reliability and higher productivity

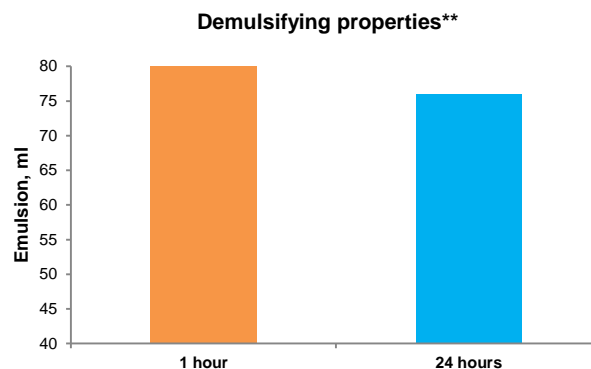
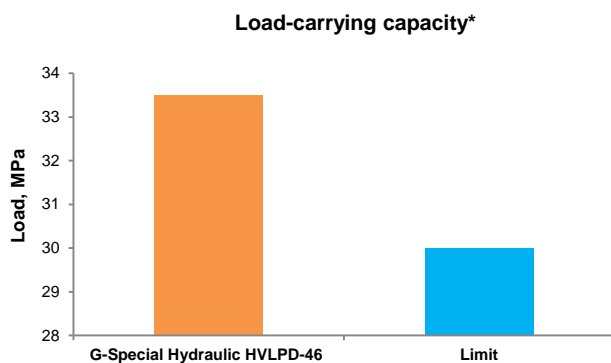
Meets the requirements:

- DIN 51524 Part 3 (except demulsifying ability)

Typical Characteristics

Properties	Method	G-Special Hydraulic HVLPD-46
ISO Viscosity Grade		46
Kinematic Viscosity @40°C, mm ² /s	ASTM D445	46,0
Kinematic Viscosity @100°C, mm ² /s	ASTM D445	7,9
Viscosity Index	ASTM D2270	143
Flash Point (COC), °C	ASTM D92	232
Pour Point, °C	ASTM D97	-42
Cleanliness class, max	ISO 4406	-/17/14 (-/15/13*)
Density @15°C, kg/m ³	ASTM D4052	890
Copper Strip Corrosion, 3 hrs @100°C	ASTM D130	1B

* - available upon request



*Brugger; **ASTM D1401

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.