

Hydraulic Oil HyPER SG1-46

Description

Extremely powerful hydraulic oil, made from Group II base oils, used in combination with a premium additive package. Distinguished by its extreme purity and increased oxidation protection as well as high thermal and hydrolytic stability. **It contains modern agents for increasing resistance to aging, corrosion protection and the EP properties. Best possible sealing compatibility. Clearly reduces wear rates for hydraulic components as compared to standard HLP hydraulic oils.** This results in considerably fewer hydraulic system breakdowns. **The hydraulic oil has a considerably longer service lifetime than a standard HLP hydraulic oil. It causes less leaks and defective hydraulic hoses thanks to the optimized elastomer compatibility.**

Properties

- excellent high-pressure and wear protection properties
- extremely stable to aging
- for extended oil-change intervals
- outstanding seal compatibility

Approvals

Bosch Rexroth Rating number BR-1010-0008 • Bosch Rexroth RDE 90235 • Bosch Rexroth RDE 90245 • Parker Denison HF-0, HF-1, HF-2 • Eaton E-FDGN-TB002-E • Eaton Brochure 03-401-2010 • Fives-Cincinnati P-68, P-69, P-70 • Hydrauliköl DIN 51524 Teil 2 HLP 46

Technical data

ISO viscosity class	46 DIN 51519
Density at 59 °F	0,865 g/cm ³ DIN 51757
Viscosity at 104 °F	46 mm ² /s ASTM D 7042-04
Viscosity at 212°F	6,8 mm ² /s ASTM D 7042-04
Viscosity index	105 DIN ISO 2909
Pour point	-43 °F DIN ISO 3016
Flash point	428 °F DIN ISO 2592
Color number (ASTM)	L 0,5 DIN ISO 2049
Foaming behavior at 75 °F	10/0 ISO 6247
Foaming behavior at 200 °F	0/0 ISO 6247



Technical data

Foaming behavior at 75 °F after 200 °F	0/0 ISO 6247
Air separation capacity	5 min DIN ISO 9120
Demulgation characteristics at 129 °F	10 min DIN ISO 6614
Cleanliness level	18/16/12 ISO 4406

Areas of application

For stationary and mobile use in hydraulic systems fitted in construction, forestry and agricultural machinery such as excavators, tractors, etc., lifts, industrial and machine tools, wood splitters, lifting platforms and presses, etc. The exceptionally high material compatibility means that this hydraulic oil can be used in virtually all pumping systems fitted in hydraulic systems. Furthermore, this hydraulic oil can also be used with all mineral-oil-compatible sealing materials and coatings. The premium additive package with increased protection against wear makes the hydraulic oil superbly suitable for use in hydraulic systems made by well-known manufacturers such as Bosch Rexroth, Parker Hannifin, Eaton, Linde, Hydac, Danfoss and Poclairn.

Application

Follow manufacturer's instructions!

Our information is based on thorough research and may be considered reliable, although not legally binding.