Product information

PI 30/08/18/2026

Hydraulic Oil HyPER SG1-68



Description

Extremely powerful hydraulic oil, made from Group II base oils, used in combination with a premium additive package. Offers extreme purity and increased oxidation protection as well as high thermal and hydrolytic stability. Contains modern agents for increasing resistance to aging, corrosion protection and the EP properties. Offers the best possible sealing compatibility and significantly lower wear rates for hydraulic components as compared to standard HLP hydraulic oils. Thereby minimizes breakdowns in hydraulic systems. Has a much longer service life compared with a standard HLP hydraulic oil. Optimized elastomer compatibility ensures fewer leaks and defective hydraulic hoses.

Properties

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

Specifications / Approvals

Bosch Rexroth Rating number BR-1010-0187 • 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 68

Technical data

ISO viscosity class	68 DIN 51519
Density at 15 °C	0,865 g/cm³ DIN 5157
Viscosity at 40 °C	68 mm²/s ASTM D 7042-04
Viscosity at 100 °C	9 mm²/s ASTM D 7042-04
Viscosity index	105 DIN ISO 2909
Pour point	-42 °C DIN ISO 3016
Flash point	250 °C DIN ISO 2592
Color number (ASTM)	L 0,5 DIN ISO 2049
Foaming behavior at 24 °C	10/0 ISO 6247
Foaming behavior at 93.5 °C	0/0 ISO 6247

Technical data

Foaming behavior at 24 °C after 93.5 °C	0/0 ISO 6247
Air separation capacity	5 min DIN ISO 9120
Demulgation characteristics at 54 °C	20 min DIN ISO 6614
Cleanliness level	18/16/12 ISO 4406

Areas of application

For stationary and mobile use in hydraulic systems in construction, forestry and agricultural machinery such as excavators, tractors, joists, industrial machinery and machine tools, wood splitters, lifting platforms, presses, etc. The exceptionally high material compatibility allows it to be used in virtually all pump systems in hydraulic systems. Can be used with all mineral-oil-compatible sealing materials and coatings. Exceptionally well-suited for hydraulic systems made by well-known manufacturers such as Bosch Rexroth, Parker Hannifin, Eaton, Linde, Hydac, Danfoss and Poclain.

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Application

The specifications and instructions from the machine and unit manufacturer must be followed.

Available pack sizes

205 l Black plate barrel	20644 DE-EN-ES-FR-IT-PT

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

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