

DIATEC HYD POWER 46

Technical Data Sheet

Application

HYD Power 46 oils for hydrostatic systems are manufactured basing on high quality mineral base oils and a set of enriching additives improving antiwear, anticorrosive and antioxidative properties

- extended lifetime
- reduces reduces wear of hydraulic pump elements
- high pressure hydraulic oil
- on the basis of mineral oil
- with wear and friction reducing additives
- fulfils the requirements to hydraulic oils

HYD Power 46 oils are intended mainly for heavyduty power transferring systems and for hydraulic driving and control systems i.e. hydraulic gears, control mechanisms and other alike devices operating in hard conditions or in increased temperature or humidity.

Specification

International Spezifikations: SEB 181 222, AFNOR NF-E 48603, ASLE 70-1, 70-2 and 70-3, David Brown S1.53.101, VDMA 24318, U. S. Steel 126/127, CETOP RP91H, Vickers I-286-S3, Denison Hydraulics HF-2, Vickers M-2950-S.

Recommended for:

Bosch Rexroth RE 9022001 / MAG/ Cincinnati Machine P70 / Denison Hydraulics HF2/HF1/HF0 ZETOR (Proxima, Proxima Plus, Proxima Power, Forterra) / Bumech / PONAR-SILESIA DIN 51524 part 2, ISO 6743-4

Oils with viscosity grade of VG 32, 46, 68, 100, 150 have been approved for application in mining and are granted a certificate issued by the Central Mining Institute allowing to mark the product with the security sign.

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Characteristics

Kenndaten/characteristics

ca. Werte/approx. val.

Viskosität/viscosity 40°C	mm ² /s	44,2
Viskositätsindex/visc. index	-	103
Pourpoint/pour point	°C	-30
Flammpunkt/Flash point (open cup)	°C	227
Resistance to foaming • susceptibility to foaming Schäumbeständigkeit • Schaumanfälligkeit:		
foam volume after 5 min. of blowing with air at 250°C	ml	30,0
foam durability: foam volume after 10 min. standing still at 250°C Schaumbeständigkeit: Schaumvolumen nach 10 min. still stehend bei 250°C		
Corrosion action on copper plates (100°C/3h) Korrosionsschutz auf Kupferplatten (100°C/3h)	degree of corrosion Grad der Korrosion	1a
Deemulsibility, time to oil/water emulsion separation: Deemulsibilität, Zeit bis zur Öl / Wasser-Emulsionstrennung: (@54°C, 25 min.)		40 - 43 ml of oil 37- 40 ml of water 0 - 3 ml of emulsion 6
Ability to release air at 50°C Fähigkeit, Luft bei 50°C freizusetzen		
Appearance at 20 °C	-	Klar homogen, clear homogenous



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