Mabanol Helium Biohyd HLP E 46

Biodegradable Hydraulic Fluid

Application

Mabanol Helium Biohyd HLP E 46 contains highly effective additives to protect against the corrosion and wear of all materials in hydraulic systems. It is especially recommended for use in all hydraulic systems of the construction industry, agriculture and forestry (excavators, bulldozers, wheel loaders, forestry machines, lock hydraulics etc.) as well as wherever the slightest risk of leakage cannot be ruled out. Mabanol Helium Biohyd HLP E 46 is essentially neutral to varnishes, paints and sealants.

Properties

Mabanol Helium Biohyd HLP E 46 is a fully synthetic, unsaturated TMP esters-based, quickly biodegradable hydraulic fluid using an effective additive package for maximum performance. It can be mixed with conventional mineral oil based hydraulic oils in all mixing ratios and at all temperatures with no conversion problems. The outstanding temperature stability prevents deposits and adhering particles caused by ageing products. Mabanol Helium Biohyd HLP E exceeds the requirements of HEES hydraulic oils described in VDMA 24 568. According to OECD 301 F, the product has a biodegradability of higher than 60 %.

Standard

- VDMA 24 568 HEES

Data

	Test method	Unit	Value
Colour	DIN ISO 2049		L 1,0
Density at 15°C	DIN 51 757	g/cm³	0,921
Kin. Viscosity at 40°C	DIN EN ISO 3104	mm²/s	47
Kin. Viscosity at 100°C	DIN EN ISO 3104	mm²/s	9,4
Viscosity Index (VI)	DIN ISO 2909		188
Flash point COC	DIN ISO 2592	°C	287
Pourpoint	DIN ISO 3016	°C	-51
LAV at 50°C	DIN ISO 9120	min	1,4

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The above values may vary within the commercial limits.

Customs Tariff No.: 3819 0000

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