

oilfino Hibis Bio 46



DESCRIPTION

oilfino Hibis Bio 46 is a fully synthetic, readily biodegradable hydraulic fluid based on TMP esters with additives designed to deliver maximum performance. Its excellent high-temperature stability, combined with very good low-temperature flow properties, prevents deposits and sticking caused by ageing products.

PROPERTIES

oilfino Hibis Bio 46 protects against corrosion and wear in all materials and components found in hydraulic systems thanks to its highly effective additives. It is the preferred choice for all hydraulic systems in the construction, agricultural and forestry sectors, such as excavators, bulldozers, wheel loaders, forestry machinery, lock hydraulics, etc., as well as wherever leakage into the environment cannot be ruled out. Hibis Bio 46 is largely neutral towards paints, varnishes and sealing materials. When converting from mineral oil-based hydraulic fluids to rapidly biodegradable hydraulic fluids, the conversion guidelines in accordance with DIN ISO 15380 and VDMA 24 569 must be observed.

SERVICE DESCRIPTION

oilfino Hibis Bio 46 exceeds the requirements for HEES-type hydraulic oils as specified in VDMA 24 568. Hibis Bio 46 demonstrates a biodegradability of over 60% according to OECD 301 F.

SPECIFICATIONS

- ISO 15380 HEES

RECOMMENDATIONS

HEES-type hydraulic oils in accordance with VDMA 24 568; biodegradability in accordance with OECD 301 F of more than 60%

Spezifische Daten	Methode	Einheit	oilfino Hibis Bio 46
ISO VG viscosity grade			46
Density at 15°C	DIN 51757	kg/m ³	921
Kinematic viscosity at 40 °C	DIN EN ISO 3104	mm ² /s	47
Kinematic viscosity at 100 °C	DIN EN ISO 3104	mm ² /s	9.4
Viscosity index (VI)	DIN ISO 2909		188
Flash point COC	DIN ISO 2592	°C	287
Pourpoint	DIN ISO 3016	°C	-51
Water separation capacity (40-37-3)	ASTM D1401	max.	30 min.
Corrosion protection for copper	DIN 51759		1-100 A3
FZG test A/8.3/90	DIN 51354		>12
Biodegradability		%	>60
Maximum operating temperature		°C	130

All information is provided to the best of our knowledge but without guarantee of any kind. The technical data represent average values and are subject to normal production fluctuations. oilfino reserves the right to improve the products and modify the specification accordingly.

