

# oilfino Hibis Bio 46



## DESCRIPTION

**oilfino Hibis Bio 46** is a rapidly biodegradable hydraulic oil based on synthetic TMP esters for use in construction, agriculture, forestry and all hydraulic drives where biodegradable hydraulic oils are required.

## PROPERTIES

With its highly effective additives for all occurring materials, oilfino Hibis protects against corrosion and wear in hydraulic systems. oilfino Hibis Bio 46 is largely neutral towards varnishes, paints and sealants. Deposits and adhesions are prevented by excellent high temperature stability and cold flow performance. It exceeds the requirements for hydraulic oils type HEES according to VDMA 24568 and has a biodegradability of more than 90%. oilfino Hibis Bio 46 is compatible with mineral oil based hydraulic oils, so no conversion problems can occur.

## SPECIFICATIONS

- ISO 11158, designation HV (except for oxidation stability D943)
- DIN 51524 part 3, designation HVLV (except for oxidation stability D943)
- SS 155434 category BV
- DIN HEES type
- ISO 15380 HEES type

Specific Data	Method	Unit	oilfino Hibis Bio 46
Viscosity grade ISO VG			46
Density at 20°C	ASTM D4052	kg/m <sup>3</sup>	920
Kinematic viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	46
Kinematic viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	9,5
Viscosity index	ASTM D4052		190
Flash point	DIN ISO 2592	°C	370
Pour point	ASTM D97	°C	-39
Water separation assets (40-37-3)	ASTM D1401	max.	30min.
Corrosion protection copper	DIN 51759		1-100 A3
Vehicle test A/8.3/90	DIN 51354		>12
Biodegradability		%	>90
Upper operating temperature		°C	130

*Information are provided to the best of our knowledge; no responsibility is taken for information accuracy. Technical data contain average values and are subject to accepted production variations. Due to continual product research and development, the information contained herein are subject to changes without notification.*

