

INA Biohidraol HEES 46

General Description - Application

INA Biohidraol HEES 46 is readily biodegradable hydraulic fluid based on synthetic esters. Used in transport, building and industrial hydraulic systems and on places critical for environmental protection. Operating temperature range from -30 °C to 100 °C.

Performance Level - Specifications

ISO 6743-4, HEES
 ISO 15 380, HEES
 VDMA 24 568 za tip HEES
 INA N 22-151

Properties	INA Hidraol HEES 46	Method
ISO VG	46	ISO 3448
Appearance and Colour	clear, brown oil	visual
Kinematic Viscosity, mm ² /s - at 40 °C - at 100 °C	46 8,8	ISO 3104
Viscosity Index	175	ISO 2909
Flash Point, (COC) °C	270	ISO 2592
Pour Point, °C	-36	ISO 3016
Corrosion (Cu, 100 °C, 3 h)	1 A	ISO 2160
Water and Mechanical Impurities, vol. %	none	ISO 3734
Biodegradability: - Sturm test (modified), % - CEC L 33-T-93, %	>60 >90	modif. Sturm test CEC L 33-T-93
FZG, load stage fail	12	DIN 51354/2

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.