



Product Data Sheet

Binol Hyd 46E

Binol Hyd 46E is environmentally acceptable hydraulic oil based on special selected renewable synthetic esters with superior oxidation stability and longevity. The product is recommended for mobile as well as stationary hydraulic systems under severe working conditions.

Specifications: Swedish Standard 15 54 34 BV 46 EAL, SP Green List and ISO 15380 HEES 46.

Physical and Chemical Data (typical)

Analysis	Method	Unit	Results
Viscosity at 40°C	ISO 3104	mm ² /s	46
Viscosity at 100°C		mm ² /s	9,2
Viscosity at -20°C		mm ² /s	1620
Viscosity Index	ASTM D 2270		190
Pour Point	ISO 3016, ASTM D 97	°C	<-42
Density at 15°C	ISO 3675	kg/m ³	920
Viscosity ¹⁾ at 100°C after Shear ²⁾	¹⁾ SS-ISO 3104 ²⁾ CEC L-45-T-93	mm ² /s	>9
Air Release, @ 50°C	DIN 51381 (ISO 9120)	min	<2
Foam	ISO 6247 Seq. 1 Seq. 2 Seq. 3	ml	10/0 5/0 10/0
Corr.prot. Steel 24 hrs, @ 60°C	ISO 7120 method A		pass
Copper Corrosion 3 hrs, @100°C	ISO 2160		1A
Compatibility, NBR1 1000 h, @80°C	ISO 1817		pass
FZG	DIN 51354		12
Flash Point	SS-EN 22719, ASTM D 93	°C	214
Vickers V105C	DIN 51389 vanes ring	mg mg	<2 <2
Vickers 35VQ25			pass
Oxidation Stability Baader	DIN 51554-3 @110°C, 72 h	%	<2
	@95°C, 72 h	%	<1

Product code		32110
Packaging	Bulk (01)	On rec.
	1000-l IBC (02)	X
	200-l drum (03)	X
	20-l pail (05)	X

Storage: In sealed container, protected from rain.