

Hydraulic oil

AUTOL HLP-D 46 BR

DIN 51 524 T.2 HLP-D

AUTOL HLP-D 46 BR is a mineral, zinc-free, detergent and dispersing hydraulic oil for all hydraulic systems, especially for Müller-Weingarten presses.

Characteristics (typical figures):

Characteristics	Unit	Value	Test method
Kin. Viscosity at 40°C	mm ² /s	47,8	DIN EN ISO 3104
Kin. Viscosity at 100°C	mm ² /s	6,8	DIN EN ISO 3104
Viscosity index	-	>90	DIN EN ISO 3104
Density at 15°C	g/cm ³	0,878	DIN EN ISO 12185
Flash point	°C	236	DIN EN ISO 2592
Pour point	°C	-27	ASTM D 5950
FZG test A/8,3/90	SKS	>12	DIN 51 354
Resilience according to Brugger	N/mm ²	>50	DIN 51 347

Properties and performance:

AUTOL HLP-D 46 BR offers the best possible wear and corrosion protection, even under the highest mechanical stress. Adhesive deposits and build-up are dissolved (detergented) and, together with any foreign matter that has entered the system, are suspended (dispersed). The oxidation inhibitor ensures maximum aging stability and allows for longer oil residence times. Its excellent filterability prevents filter blockages in hydraulic systems.

Application:

Its main area of application is the entire field of mobile hydraulics (excavators, bulldozers, wheel loaders, truck hydraulics). It is also used in hydraulic control systems and precision hydraulics, as well as in the hydraulics of machine tools with integrated slideway lubrication and in maintenance units of compressed air systems for the lubrication of pneumatic tools.

AUTOL HLP-D 46 BR meets the requirement of:

Müller-Weingarten