

Hydraulic oil

AUTOL HLP 46

DIN 51 524 T.2 HLP, ISO 11158 HM, ASTM D 6158 HM

AUTOL HLP 46 is a mineral oil-based pressure fluid with highly effective additives, universally applicable in all hydraulic systems.

Characteristics (typical figures):

Characteristics	Unit	Value	Test method
ISO VG	-	68	ISO 3448
Kin. Viscosity at 40°C	mm ² /s	45,6	DIN EN ISO 3104
Kin. Viscosity at 100°C	mm ² /s	6,51	DIN EN ISO 3104
Viscosity index	-	>90	DIN EN ISO 3104
Density at 15°C	g/cm ³	0,878	DIN 51 757
Flash point	°C	244	DIN ISO 2592
Pour point	°C	-27	DIN ISO 3016
FZG test A/8,3/90	SKS	12	DIN ISO 14 635
Air release at 50°C	min.	4,8	DIN ISO 9120
Purity class	-	18/17/13	ISO 4406
Electrical conductivity at 20°C	pS/m	200	-

Properties and performance:

AUTOL HLP 46 offers the best possible wear and corrosion protection, even under the highest mechanical loads. The oxidation inhibitor ensures maximum aging stability and enable longer oil residence times, thus reducing maintenance requirements.

The good filterability prevents filter blockages in hydraulic systems.

AUTOL HLP 46 is recommended for use in thermally highly stressed hydraulic systems with high-pressure pumps of all types, in sensitive control systems and also for supplying small gears and for use in circulation systems.

AUTOL HLP 46 meets the requirement of:

ANSI/AGMA 9005-E02-RO

Arburg

Cincinnati P-68, P-69, P-70

Eaton E-FDGN-TB002-E

JCMAS P041 HK Hydraulic Specification

M-2950-S

Parker Denison HF-0, HF-1, HF-2

SEB 181 222

US Steel 126, 127

ZF TE-ML 04K, ZF release number ZF003456 / ZF003457