

oroduct data sheet

VARPRESS HLP-D RANGE

High performance hydraulic oil

VARPRESS HLP-D hydraulic fluids are based on highly refined paraffinic mineral oils and include a multipurpose additive package to provide excellent anti-wear protection and resistance to corrosion, together with good emulsifying and detergent properties.

VARPRESS HLP-D hydraulic oils are typically used for hydraulic systems subject to contamination, particularly ingress of water. The product offers extended service life compared to standard hydraulic oils. Its water tolerance and detergency properties make it suitable for applications where drain of water, either fresh or sea water, contamination is difficult to drain.

Features and Benefits

High quality refined mineral oil with low aromatic content

Avoids build up of sludge and varnish

Continues to work in the presence of water

Resistant to oxidation

High viscosity index

Compatible with common sealing materials

Good temperature stability

Rust and corrosion inhibited - Excellent anti-wear properties

Specifications

DIN 51524-Part 2

FZG-Test A 8,3/90 11



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Typical Data							
ISO Grade				32	46	68	
Parameter	Unit	Method					
Kinematic Viscosity							
KV40	mm²/Sec	ASTM-D445		32.00	46.00	68.00	
KV100	mm²/Sec	ASTM-D445		5.37	6.77	8.70	
Viscosity index	-	ASTM-D2270		99	99	99	
Density @ 15.5°C	g/cm³	ASTM-D4052		0.848	0.850	0.882	
Flashpoint	°C	ASTM-D92		204	206	208	
Pour point	°C	ASTM-D97		-27	-24	-24	
Copper Corrosion	-	ASTM-D130		1a	1a	1a	
FZG failure load stage		DIN 51354-2		12	12	12	

Var	ol Metalworking	Varol Machine Lubricants		
Varcut	Neat cutting oils, high performance, extensive range of viscosities	Varlube S Viscosity 32 - 320	Slideway	
Varform	Comprehensive range of neat forming oils, including water extendable versions and vanishing oils	Varmulti Viscosity 32 - 680	Multilube - Slideway, Gear, Hydraulic	
Varclean	Aqueous based wash fluids, surface cleaners and solvent degreasers	Vargear Viscosity 68 - 460	Industrial Gear	
Varcool & Vargrind	Comprehensive range of high performance water soluble fluids. Low, medium, high oil content and synthetics	Varpress Viscosity 5 - 150	Hydraulic oil range covering zinc containing, zinc free and high VI	