

product data sheet

VARPRESS HJM-21 RANGE

High performance synthetic hydraulic oils

VARPRESS HJM-21 hydraulic oil is a premium quality oil blended from synthetic base oils chosen to provide a high viscosity index together with resistance to oxidation and degradation.

VARPRESS HJM-21 hydraulic oils contain Zinc and Phosphorus anti-wear additives making them ideal for severe applications.

VARPRESS HJM-21 hydraulic oils are suitable for use in turbine or closed circulation lubricating systems thanks to their excellent stability. Varpress 46 HJM-21 oils are NOT suitable for systems containing silver or silver plated parts and components.

Features and Benefits

Anti-wear properties	Excellent thermal stability
Resistant to oxidation	Good water separation
Low pour points	Resistance to sludge formation
Light colour	Non corrosive to steel and copper alloys
Formulated on high quality mineral oil	Meets or exceeds industry standards

Specifications

DIN 51524 Parts 1(HL), 2(HLP) and 3(HVLP)
ISO 11158 (HL, HM, HV)
AFNOR NF ISO 11158 (HL, HM, HV)
Eaton (Vickers) 1-286-S
US Steel 126
US Steel 127

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Typical Properties				
ISO Grade			32	46
Parameter	Unit	Method		
Kinematic Viscosity				
KV40	mm ² /Sec	ASTM-D445	32.00	46.00
KV100	mm ² /Sec	ASTM-D445	5.37	6.77
Viscosity index	-	ASTM-D2270	99	99
Density @ 15.5°C	g/cm ³	ASTM-D4052	0.848	0.850
Flashpoint	°C	ASTM-D92	204	206
Pour point	°C	ASTM-D97	-33	-31
Oxidation	Hours	ASTM-D943	>2400	>2400
Copper Corrosion	-	ASTM-D130	1a	1a
Air Release	Minutes	ASTM-D3427	4 min	6 min
Demulsibility @ 54C 10 minutes	ml	ASTM-D1401	40-40-0	40-40-0
FZG failure load stage		DIN 51354-2	12	12

Varol 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