

product data sheet

VARPRESS V RANGE

High performance high viscosity index hydraulic oils.

VARPRESS V hydraulic oils are premium quality oils blended on base stocks chosen to provide greater consistency in viscosity over a wide range of operating temperatures.

VARPRESS V hydraulic oils contain zinc and phosphorus anti-wear additives and are based on base stocks selected for their resistance to oxidation and degradation.

VARPRESS V hydraulic oils are suitable for use in contractor's plant and high-performance systems where equipment is subjected to temperature variation that can adversely affect performance or equipment operated for long periods at elevated ambient temperatures. **Varpress V** hydraulic oils are suitable for precision machine tools where consistency of operation is crucial.

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
High viscosity index for performance over a wide temperature range	

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 Data									
ISO Grade			10	15	22	32	46	68	100
Parameter	Unit	Method							
Kinematic Viscosity									
KV40	mm ² /Sec	ASTM-D445	10.00	15.00	22.00	32.00	46.00	68.00	100.00
KV100	mm ² /Sec	ASTM-D445	2.90	3.74	4.77	6.10	7.85	10.40	13.90
Viscosity index	-	ASTM-D2270	140	140	140	140	140	140	140
Density @ 15.5°C	g/cm ³	ASTM-D4052	0.845	0.845	0.848	0.848	0.850	0.882	0.884
Flashpoint	°C	ASTM-D92	180	180	200	204	206	208	212
Pour point	°C	ASTM-D97	-39	-39	-39	-36	-36	-36	-36
Oxidation	Hours	ASTM-D943	>2400	>2400	>2400	>2400	>2400	>2400	>2400
Copper Corrosion	-	ASTM-D130	1a	1a	1a	1a	1a	1a	1a
Air Release	Minutes	ASTM-D3427	-	-	-	4 min	6 min	6 min	6 min
FZG failure load stage		DIN 51354-2	12	12	12	12	12	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