

product data sheet

VARPRESS AW RANGE

High performance hydraulic oil

VARPRESS AW hydraulic oils are manufactured from premium synthetic base stocks and high quality solvent refined base oils with specially selected additives and friction modifiers to produce a lubricant with outstanding durability. It demonstrates excellent frictional stability and offers extended fluid life even when under the most severe conditions.

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

VARPRESS AW hydraulic oils are suitable for use in turbine or closed circulation lubricating systems thanks to their excellent stability. Varpress hydraulic 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 Data

ISO Grade			15	22	32	46	68	100	150
Parameter	Unit	Method							
Kinematic Viscosity									
KV40	mm ² /Sec	ASTM-D445	15.00	22.00	32.00	46.00	68.00	100.00	150.00
KV100	mm ² /Sec	ASTM-D445	3.42	4.30	5.37	6.77	8.70	11.36	15.00
Viscosity index	-	ASTM-D2270	99	99	99	99	99	99	99
Density @ 15.5°C	g/cm ³	ASTM-D4052	0.845	0.848	0.848	0.850	0.882	0.884	0.890
Flashpoint	°C	ASTM-D92	180	200	204	206	208	212	218
Pour point	°C	ASTM-D97	-33	-33	-33	-31	-31	-27	-24
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	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