

product data sheet

VARPRESS BD RANGE

High performance biodegradable hydraulic fluid

VARPRESS BD hydraulic oils are high quality blend of naturally occurring esters and ashless, anti-wear, anti-oxidant, anti-foam and anti-corrosion additives. These products have a high-viscosity-index, are virtually non-toxic, possess excellent oxidation and corrosion resistance.

VARPRESS BD are to be used in hydraulic systems where biodegradable fluids are preferred for environmental reasons with recommended operating temperatures between -20°C to + 60°C.

Features and Benefits

Fully biodegradable

Compatible with mineral oils

High content of renewable resources

High oxidation stability

Ashless technology

Specifications

DIN 51524 Part 3(HVLP) **

ISO 11158 (HV) **

** Excludes ASTM D943 requirements

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Typical Data

ISO Grade			32	46	68
Parameter	Unit	Method			
Kinematic Viscosity					
KV40	mm ² /Sec	ASTM-D445	32.00	46.00	68.00
KV100	mm ² /Sec	ASTM-D445	7.28	9.69	13.37
Viscosity index	-	ASTM-D2270	202	202	202
Density @ 15.5°C	g/cm ³	ASTM-D4052	0.900	0.925	0.930
Flashpoint	°C	ASTM-D92	> 200	> 200	> 200
Pour point	°C	ASTM-D97	-27	-27	-27
Copper Corrosion	-	ASTM-D130	1a	1a	1a
FZG failure load stage		DIN 51354-2	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