

product data sheet

VARPRESS BDS RANGE

High performance synthetic biodegradable hydraulic fluid

VARPRESS BDS hydraulic fluids are high quality blend of high quality synthetic 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 BDS hydraulic fluids are to be used in hydraulic systems where biodegradable fluids are preferred for environmental reasons with recommended operating temperatures of between -20°C to 60°C.

Features and Benefits

Formulated with fully synthetic esters

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	mm²/Sec	ASTM-D445	32.00	46.00	68.00	
KV100	mm²/Sec	ASTM-D445	7.44	9.95	13.78	
Viscosity index	-	ASTM-D2270	210	210	210	
Density @ 15.5°C	g/cm³	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