



OPUS LUBRICANTS PRODUCT DATA

HYDRAULIC HVI-ZF OILS (Ashless Grades)

Description

A high quality and fully inhibited range of High Viscosity Index and Zinc Free Hydraulic Oils, manufactured from a blend of mineral oils, including a high shear polymer and a multipurpose ashless hydraulic oil additive covering a wide range of viscosities and suitable for hydraulic systems where the use of zinc free additives is specified, including silver bearings.

Performance Levels

*suitable for use

- DIN 51524, Part 3
- Cincinnati Milacron P-68, P-69, P-70
- ISO 11158 HM
- ASTM D6158
- SAE MS 1004
- ISO 20763 vane pump test
- JCMAS HK-1*
- VDMA 24318

Benefits

- Excellent oxidation resistance and rust protection
- Low pour points
- Anti-foam characteristics.

Typical Data

ISO GRADE		15	32	46	68	100
Specific Gravity	@ 15°C	0.885	0.864	0.868	0.876	0.880
Kinematic Viscosity	@ 100°C cSt	3.90	6.30	8.10	10.70	14.40
	@ 40°C cSt	15.66	32.0	46.0	68.0	100.0
Viscosity Index		150	151	150	147	148
Pour Point (°C)		-40	-36	-36	-34	-32
Flash Point (°C)		140	205	216	216	247
FZG Gear Test, pass load:		-	12	12	12	12
Rust Test:		Pass	Pass	Pass	Pass	Pass
Cleanliness Test:		NAS 7	NAS 7	NAS 7	NAS 7	NAS 7

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