



HYDRAULIC HVI SYNTHETIC

Formulated from type II lubricant bases, reinforced with synthetic technology and a system of additives that provide advanced performance in a wide range of applications. These products exhibit superior oxidation stability and thermal stability, ensuring long oil life and minimizing deposit formation in hydraulic systems that are subjected to severe work using high-pressure, high-output pumps. .

HIDRAULIC HVI SYNTHETIC keeps hydraulic systems ultra-clean by protecting critical components from breakdown, such as the tight-tolerance servovalves and proportional valves that can be found in many modern hydraulic systems. Its high viscosity index, which has the property of remaining stable under shear, allows a wide operational range of temperatures and at the same time maintains maximum hydraulic efficiency and protection of components at both low and high temperatures.

HIDRAULIC HVI SYNTHETIC is recommended for sophisticated, high-precision CNC machines, and for hydraulic systems where cold starts and high operating temperatures are common.

PARAMETER	METHOD ASTM	ISO 32	ISO 46	ISO68
Density @ 150C, Kg/L	D 4052	0.846	0.850	0.862
Kinematic viscosity: cSL @40yC	D 445	32.7	46.6	68.4
Kinematic viscosity: cSL @100yC	D 445	6.66	8.45	11.17
Viscosity Index	D 2270	164	164	156
Flash Point, yC	D 92	250	232	240
Brookfield Viscosidad cP @-20yC	D 2983	1090	1870	3990
Brookfield Viscosidad cP @-30yC	D 2983	3360	7000	10380
Brookfield Viscosidad cP @-40yC	D 2983	14240	55770	
Tapered roller bearing, % viscosity loss CEC L-45-A-99		5	7	11
Pour point, yC	D 97	-54	-45	-39
Foam sequence I, II, III, ml	D 892	20/0	20/0	20/0
FZG gear test, phallus stage	DIN 51354	12	12	12
Copper sheet corrosion, 3 hours 100yC	D 130	1B	1B	1B
24Hr Rust Proof	D 665B	Happens	Happens	Happens
Water Separation @ 54yC, (Minutes)	D 1401	10	15	15
Air Release (Minutes)	D 3427	8	8	8
Dielectric strength, kV	D 877	49	41	

PERFORMANCE AND BENEFITS

- Excellent energy efficiency reducing energy consumption, improving the system's response capacity.
- Given its high level of cleanliness, the formation of deposits in the systems is significantly reduced, allowing the reduction of maintenance costs and increasing the useful life of the components.
- Given its high viscosity index, due to its synthetic formulation, it is highly stable to shear, protecting the components in wide temperature ranges.
- It is optimally compatible with elastomers and seals, extending its useful life.
- Excellent air separation characteristics significantly reducing cavitation damage

Quality Standards: Meets or exceeds: - DIN 51524-2: 2006-09 - DIN 51524-3: 2006-09 - ISO 11158 L- HV - CINCINNATI MILA-CRON P68, P69, P70 - JCMAS HK VG32W (JCMAS P 041 :2004)

- JCMAS HK VG46W (JCMAS P 041:2004)
- Arburg
- Krauss-Maffei -
Plastics technology - Voith
VN108 4.3.3 - HOCNF
Norway/NEMS - Denison HF-0 -
Eaton Vickers 694 -
Frank Mohn - ORTLINGHAUS-
WER-KE GMBH ON
9.2.10

Health and security:

This product does not present a health or safety hazard when used properly in the recommended application.

Avoid contact with skin. Review the health and safety sheet for more information.

Storage:

If possible, store indoors. The product should not be stored at temperatures above 60°C, higher than exposed to the sun or freezing.