

PRISTA® MHVb

HYDRAULIC OILS

Description and Application

PRISTA® MHVb hydraulic oils are formulated from highly refined mineral base stocks exhibiting very good demulsibility and air-release properties blended with a highly efficient **Zn free** additive system including rust, oxidation and corrosion inhibitors, anti-wear agents and a polymethacrylate VII (Viscosity Index Improver).

PRISTA® MHVb lubricants are suitable for use in hydraulic systems subjected to widely varying temperatures from minus 30°C to +50°C, i.e. as in the open. These oils are intended for use in hydrostatic lubrication systems and moving parts in circulating systems, demanding lubricants with very high oxidation stability, improved anti-wear and anti-scuffing properties, good R&O protection and high shear stability.

Thanks to the high-quality base oils and additives used in the formulation of the oil it is well suited for hydraulic system operated at very high pressures exceeding 25 MPa and oil temperatures exceeding 90°C.

Benefits

- High resistance to oxidation
- Maximum equipment protection against rust and corrosion
- Prevent sludge and deposit formation
- High viscosity index
- Extremely stable at low temperature and in presence of water
- Reliable antiwear protection

Specifications

ISO 3448	VG 32, 46, 68
ISO 6743/4	ISO-L-HV
ISO 11158	HV
DIN 51524	Part 3 (HVLP)
Parker (Denison)	HF-0, HF-1 & HF-2
Eaton	E-FDGN-TB002-E
Fives Cincinnati	P-68 (VG 32), P-69 (VG 68), P-70 (VG 46)
ASTM D6158	HV
AIST (US Steel)	126, 127

Typical Characteristics

Parameter	Test Method	Typical Value		
		VG 32	VG 46	VG 68
Density at 20°C, g/ml	EN ISO 3675	0.868	0.875	0.879
Kinematic Viscosity at 40°C, mm²/s	EN ISO 3104	32	46	68
Viscosity Index	ISO 2909	150	150	145
Flash point COC, °C	EN ISO 2592	190	200	210
Pour point, °C	ISO 3016	-39	-42	-40
Copper strip corrosion, 3h at 100°C, rating	EN ISO 2160	1		
Oxidation stability after 1000h - TAN increase, mg KOH/g	ASTM D 4310	<1		
FZG EP Wear Test (A/8.3/90) - Failure Load Stage	ISO 14635-1	12		

Important note: typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

Health, Safety and Handling

Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application.

For more information about product MSDS, terms and conditions for storage and shelf life please visit: www.prista-oil.com