PRISTA® MHV PLUS

HYDRAULIC OILS

Description and Application

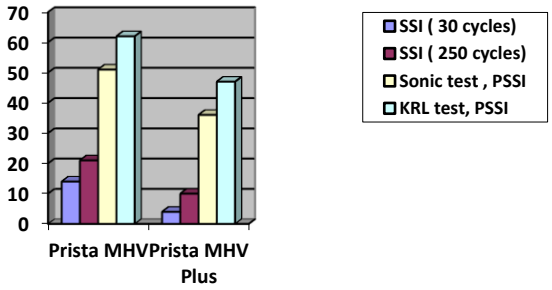
Prista® MHV Plus is a new generation of hydraulic oils blended with premium quality base stocks. Thanks to the highly refined base stocks used the finished lubricants possess high oxidation stability and extended performance life. They are blended with a highly efficient additive system including rust, oxidation and corrosion inhibitors, anti-wear agents. Thanks to the viscosity index modifier hydraulic systems/ fluids of higher shear stability operate with higher efficiency and durability.

Prista® MHV Plus are suitable for use in hydraulic systems subjected to widely varying temperatures from minus 30°C to +50°C, i.e. same as in the open air. They are designated 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. The oils are suitable for use in hydraulic systems, hydraulic vane pumps, hydraulic gear pumps and hydraulic piston units.

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

Benefits

The benefits of **Prista® MHV Plus** are presented graphically below:



Specifications

ISO 3448	VG 32, 46
ISO 6743/4	ISO-L-HV
ISO 11158	HV
DIN 51524	Part 3 (HVLP)
Bosch Rexroth	RDE 90235
Parker (Denison)	HF-0 (including Denison T6C pump test), HF-1 & HF-2
Eaton	E-FDGN-TB002-E
Eaton (Vickers)	M-2950-S, I-286-S
Fives Cincinnati	P-68, P-70
JCMAS	P041 HK Hydraulic specification
ASTM D6158	HV
SAE MS1004	HV
GM	LS-2
AIST (US Steel)	126, 127

Typical Characteristics

Parameter	Test Method	Typical Value	
		VG 32	VG 46
Density at 20°C, g/ml	EN ISO 3675	0.854	0.859
Kinematic Viscosity at 40°C, mm^2/s	EN ISO 3104	32	46
Viscosity Index	ISO 2909	170	170
Flash point COC, °C	EN ISO 2592	220	230
Pour point, °C	ISO 3016	-45	-45
Oxidation Stability - TAN increase after 1000h, mg KOH/g	ASTM D 4310	<0.8	

FZG 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**