



Hydraulic Oils PRISTA® MHV

DESCRIPTION and APPLICATION

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

PRISTA® MHV 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. They 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. 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.

SPECIFICATIONS

ISO 3448	VG 15, 22, 32, 46, 68, 100,150
ISO 6743/4	ISO-L-HV
ISO 11158	HV
DIN 51524	Part 3 (HVL P)
US Steel	127 (VG 32, 46, 68)
Denison	HF-O (including Denison T6C pump test), HF-1 & HF-2
Vickers	M-2950-S, I-286-S

HEALTH, SAFETY, TRANSPORT AND STORAGE

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

Material safety data sheet is available on www.prista-oil.bg

PACKAGES

20L, 210L, Bulk

TYPICAL CHARACTERISTICS

PARAMETER	TEST METHOD	TYPICAL VALUES						
		15	22	32	46	68	100	150
Density at 20°C, g/ cm ³	EN ISO 3675	0.866	0.867	0.868	0.875	0.879	0.883	0.889
Kinematic viscosity at 40°C, mm ² /s	EN ISO 3104	15	22	32	46	68	100	150
Viscosity index	ISO 2909	170	140	150	150	145	140	135
Flash point, COC, °C	EN ISO 2592	140	160	190	200	210	220	235
Pour point, °C	ISO 3016	-36	-39	-39	-35	-35	-27	-20
Rust Preventive Properties in the presence of distilled water	ISO 7120	pass						
Copper strip corrosion, 3h, 100°C	EN ISO 2160	1						
Water separability -time to 3 ml emulsion, min	ISO 6614	10	10	10	15	15	15	20
Oxidation stability, 1000h - TAN increase, mg KOH/g	ASTM D 4310	<1.0						
FZG Test (A 8.3/90) - Failure Load Stage	ASTM D 5182	12						

Remark: The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

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