



PRISTA® MHL

PRISTA OIL

■ DESCRIPTION

PRISTA® MHL 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 oxidation, rust and corrosion inhibitors. Available in the following ISO 3448 viscosity grades: 10, 15, 22, 32, 46, 68, 100 & 150.

HYDRAULIC OILS

■ APPLICATION

PRISTA® MHL hydraulic oils are developed to be used as working media in hydrostatic lubrication systems and in circulating systems for lubrication of friction parts & mechanisms. Both applications require lubricants of very high oxidation stability, possessing good demulsibility and ensuring reliable R&O protection.

PRISTA® MHL oils are suitable for application in hydraulic systems equipped with hydraulic vane pumps, hydraulic gear pumps and hydraulic piston units. They are also well suited for hydraulic system operated at high pressures up to 25 MPa and oil temperatures of 80°C.

■ TECHNICAL DESIGNATION

ISO-L-HL according to ISO 6743/4

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■ SPECIFICATIONS

ISO 11158-HL
DIN 51524, Part 1

■ TYPICAL CHARACTERISTICS

№	PARAMETER	TEST METHOD	TYPICAL VALUE							
			10	15	22	32	46	68	100	150
1.	Density at 20°C, g/ ml	EN ISO 3675	0.881	0.866	0.867	0.868	0.875	0.879	0.883	0.889
2.	Kinematic viscosity at 40°C, mm²/s	EN ISO 3104	10	15	22	32	46	68	100	150
3.	Viscosity index	ISO 2909	100	100	100	100	100	95	95	90
4.	Flash point, COC, °C	EN ISO 2592	160	170	180	190	200	210	220	235
5.	Pour point, °C	ISO 3016	-36	-36	-33	-30	-24	-21	-18	-15
6.	Foaming, ml (tendency/stability) - Seq I, at 24°C - Seq II, at 93.5°C - Seq III, at 24°C	ISO 6247	50/0 50/0 50/0							
7.	Rust preventive properties in presence of distilled water	ISO 7120	pass							
8.	Copper strip corrosion, 3h, 100°C	EN ISO 2160	1							
9.	Water separability - time to 3 ml emulsion, min	ISO 6614	10	10	10	10	15	15	15	20
10.	Air release properties at 50°C, min	ISO 9120	2	3	3	4	6	8	10	10
11.	Oxidation stability after 1000h - TAN increase, mg KOH/g	ASTM D 4310	<1.0							
12.	FZG Test (A 8.3/90) - Failure Load Stage	DIN 51354-2	-	-	12	12	12	12	12	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.