



# PRISTA® MHF

## HYDRAULIC OILS

### Description and application

**PRISTA® MHF** special hydraulic oils are formulated from highly refined base stocks possessing very good demulsibility and air release properties additized with an especially selected additive package including oxidation, corrosion and rust inhibitors and antiwear agents.

**PRISTA® MHF** hydraulic oils are developed for application in hydraulic systems, vane pump equipment, hydraulic gear pumps and piston hydraulic units demanding lubricants of high cleanliness. These lubricants are especially developed to ensure long service life, enhanced efficiency, reduction of production costs and lessening the risk of rapid wear and tear. These oils exhibit cleanliness **Class 6** according to **NAS 1638** (which is not applicable for equipment manufactured after May 2001, for which **AS 4059C** applies).

**PRISTA® MHF** oils are particularly appropriate for control checks, testing and calibration of hydraulic cylinders. The assured class of cleanliness makes these oils fit for use in industrial hydraulics with high pressures as well as mobile hydraulics, in general machine manufacturing and in medium pressure systems.

### Benefits

- Long service life
- High class of cleanliness
- Very good demulsibility and air release properties

### Specifications

ISO 3448	VG 32, 46
ISO 6743/4	ISO-L-HM
ISO 11158	HM (replaced AFNOR NF E 48-603)
DIN 51524	Part 2 (HLP)

### Typical characteristics

Parameter	Test Method	Typical Value	
		VG 32	VG 46
Density at 20°C, g/ml	EN ISO 3675	0.868	0.874
Kinematic Viscosity at 40°C, mm <sup>2</sup> /s	EN ISO 3104	32	46
Viscosity Index	ISO 2909	100	100
Flash point COC, °C	EN ISO 2592	220	230
Pour point, °C	ISO 3016	-30	-27
Rust preventive properties in the present of distilled water	ISO 7120	pass	
Copper strip corrosion, 3 h, 100°C	ISO 2160	1	
Water separability - time to reach 3 ml emulsion, min	ISO 6614	10	15
Air release properties at 50°C, min	ISO 9120	4	6
Cleanliness code	ISO 4406	17/15/12	17/15/12
FZG Test (A 8.3/90) - Failure Load Stage	ASTM D 5182	11	

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](http://www.prista-oil.com)