

TECHNICAL PRODUCT SHEET

# HYDROPREMIUM

ISO 32, 46, 68, 100



## DESCRIPTION

HYDROPREMIUM series consists of highly refined mineral base oils and special additives meeting the classification ISO 6743-4:(ISO-L-HM) and offers a wide selection of viscosities. The lubricants are enhanced by special additive treatment to minimize corrosion, oxidation, foaming and machinery wear. HYDROPREMIUM series lubricants meet DIN 51 524 HLP Part II requirements.

## APPLICATIONS

The series is suitable for use in industrial and marine hydraulic systems fitted with vane, gear axial and pistons pumps, especially those operating with increased wear protection requirements. They can also be used in lifts, presses, and various machine components.

## SPECIFICATIONS

DIN	51524 Part 2 HLP	Fives Cincinnati	P-68, P-69, P-70
ISO	6743-4 (ISO-L-HM)	AFNOR NFE	48-603 HM
ISO	11158 HM (CETOP RP 91H)	SEB	181222
Bosch Rexroth	RE 90235	JCMAS	HK P041
Parker (Denison)	HF-0, HF-1, HF-2	AGMA	9005-E02 RO
Eaton Vickers	I-286-S & M-2950-S	GMLS	2
Eaton	32VQ25	U.S. Steel	126
SAE	MS1004	U.S. Steel	127

## PROPERTIES

HYDROPREMIUM provides effective protection against rust and oxidation while maintaining excellent thermal stability and anti-wear performance. It resists foam formation and promotes rapid air release, ensuring reliable operation under demanding conditions. Additionally, it offers very good water separation properties, helping to maintain system efficiency and component cleanliness.

## BENEFITS

HYDROPREMIUM provides reliable protection of metallic surfaces against corrosion and rust, contributing to prolonged lubricant life and extended service intervals. Its balanced formulation ensures trouble-free operation while improving overall system efficiency, even under demanding operating conditions.



## TECHNICAL PRODUCT SHEET

### PHYSICAL-CHEMICAL CHARACTERISTICS

HYDROPREMIUM	METHOD	ISO 32	ISO 46	ISO 68	ISO 100
Density at 15°C, g/cm <sup>3</sup>	ASTM D4052	0.870	0.865	0.878	0.886
Viscosity, Kinematic (cSt) 40°C	ASTM D445	32	46	68	100
Viscosity, Kinematic (cSt) 100°C	ASTM D445	5.5	6.9	8.9	11.5
Viscosity index	ASTM D2270	105	105	103	102
Flash point, COC, °C	ASTM D92	210	230	240	256
Pour point, °C	ASTM D97	-30	-30	-24	-21
Copper corrosion	ASTM D 130	1a	1a	1a	1a
Foam Tendency / Stability, ml					
Sequence I	ASTM D892	20 / 0	20 / 0	30 / 0	30 / 0
Sequence II		20 / 0	20 / 0	30 / 0	30 / 0
Sequence III		20 / 0	20 / 0	30 / 0	30 / 0
Demulsibility, min.	ASTM D1401	10	10	20	20

The above mentioned characteristics represent mean values.

### STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



### HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



### USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

