

Mabanol Hyd J32

Zinc-free high-performance hydraulic fluid
with a very high shear stable viscosity index

Application

Mabanol Hyd J32 hydraulic oil is particularly suitable for heavily loaded hydraulic systems that are exposed to strongly fluctuating temperatures. This includes, in particular, braking systems for all types of rail vehicles, the entire range of mobile hydraulics such as hydraulic lifting platforms, and all stationary systems that work outdoors, such as hydraulic door locking systems. Wherever maximum functional reliability, minimum wear, cleanliness of the systems and uniformity of work movements at different operating temperatures are required, Mabanol Hyd J32 offers decisive advantages over conventional hydraulic oils.

Properties

Mabanol Hyd J32 is a mineral oil-based hydraulic fluid with particularly good viscosity-temperature behavior (high VI hydraulic oil). Even with extreme temperature fluctuations and when starting up hydraulic systems from minus temperature ranges, Mabanol Hyd J32 achieves maximum uniformity in the operating behavior of the systems. Optimum anti-wear, anti-corrosion and anti-oxidation properties ensure the greatest possible functional reliability of the hydraulic systems. The good filterability of Mabanol Hyd J32 is a prerequisite for use in many of today's hydraulic systems, filter blockages are avoided. Mabanol Hyd J32 cannot be mixed with hydraulic oils containing zinc.

Approval

- Hanning & Kahl

Data

	Test method	Unit	Value
Appearance	visually		clear, yellow
Density at 20°C	DIN EN ISO 12185	g/cm ³	0,849
Kin. Viscosity at -40°C	DIN 51562	mm ² /s	1160
Kin. Viscosity at 40°C	DIN 51562	mm ² /s	31
Kin. Viscosity at 100°C	DIN 51562	mm ² /s	10
Viscosity index (VI)	DIN ISO 2909		340
Flash point	DIN EN ISO 2719	°C	113
Pourpoint	ISO 3016	°C	< -57
Copper corrosion	DIN EN ISO 2160		1A
Steel corrosion	DIN ISO 7120		0-A
Air release at 50°C	DIN ISO 9120	Minutes	< 4
FZG-Test	DIN EN 14635-1	FLS	12
Seal compatibility (SRE-NBR1, 7 Days at 100°C)	DIN 53538 T2		
- Volume change	DIN 53521	%	12
- Hardness change (Shore-A)	DIN 53505	SH	-7

Updated in March 2023

The above values may vary within the commercial limits.

Customs Tariff No.: 2710 1983