

MAK HYDROVIS POWER 46

Description

MAK HYDROVIS POWER 46 is premium quality energy efficient hydraulic oil blended with finest quality of severely hydro treated base oil, fortified with very carefully selected additive system and extremely shear stable viscosity index improver for use over a widest operating temperature range, providing exceptional anti-wear performance, outstanding thermal and oxidation stability, rust and corrosion protection and rapid water separation.

Application

MAK HYDROVIS POWER 46 is recommended for all kind of hydraulic systems operating under High Pressure Systems and Power Transmission Systems, requiring very high Viscosity Index, operating under high speeds, loads and temperatures. This is specially developed for use in mobile equipment such as, hydraulic excavators, hydraulic cranes, forestry equipment, construction equipment etc

Benefits

- Outstanding anti wear protection during periods of high operating temperatures and high pressures providing less wear and tear on hydraulic system components.
- Improved viscometric properties over a wide range of temperatures, allows the fluid to perform consistently
- Quicker start-up and easy flow to lubricated areas during low temperature operation.
- Faster and smoother response of the hydraulic system at low temperatures over conventional hydraulic fluids.
- Less fuel consumption/power required and consumed at cold start-up than conventional fluids.
- Improved volumetric and hydro-mechanical efficiency.
- Improved productivity: Enhanced energy efficiency with lower energy consumption for the same amount of work.
- Higher FZG Rating: Makes it suitable for use at higher load conditions.

Performance Level

- Exceeds DIN 51524 Part III specification

Technical Specifications

Characteristics	Test method	MAK HYDROVIS POWER 46
Appearance	Visual	Clear & Bright
Density @29.5°C, Kg/m ³	ASTM D1298	0.850
Kinematic Viscosity @40°C, cSt	ASTM D 445	46.5
Kinematic Viscosity @100°C, cSt	ASTM D 445	8.7
Viscosity Index	ASTM D 2270	168
Flash point, °C	ASTM D 92	240
Pour point, °C	ASTM D 97	-33
Copper corrosion test, 3hrs, 100°C	ASTM D 130	1a
Rust preventive characteristics	ASTM D 665	Pass
Foaming, (Tendency/ Stability), ml/ml	ASTM D 892	
Sequence I		10/0
Sequence II		0/0
Sequence III		10/0

All the mentioned values are typical which may vary from batch to batch.

Storage and Handling

- Indoor Storage is always preferable
- Barrels should be kept horizontally with bunk position at 3 O'clock 9 O'clock position
- Barrels should be kept away from dusty or heated areas.
- During handling any contact with dust must be avoided.

Health and Safety

These oils are not hazardous under normal conditions of use. For further guidance appropriate Material Safety Data Sheet (MSDS) may be referred.

Advice

For any further advice on applications or otherwise please contact the nearest Bharat Petroleum Territory Office or Technical Services Department at the address given below.

Bharat Petroleum Corporation Ltd.

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