

# MAK HYDROL P

## Description

MAK Hydrol P are blended from high quality solvent refined mineral oils fortified with extremely shear stable viscosity index improver. Exceptionally high viscosity index of these oils ensure smoother operation of hydraulic transmission systems even under extreme ambient temperature conditions.

## Application

MAK HYDROL P 46 is approved by M/s. TELCO for use in Tata Hitachi Excavators.

MAK HYDROL P 68 is recommended for use in small L&T – Komatsu excavators.

MAK HYDROL P 100 is recommended for use in large L&T Poclain excavators.

MAK HYDROL P 100 is approved by M/s. Hyderabad Industries Ltd. for use in Demag Excavators.

## Benefits

- Viscosity index improver helps in maintaining the viscosity for longer periods under severe operating conditions
- Good thermal stability, oxidation resistance, seal compatibility, corrosion resistance and anti-wear properties
- Performs extremely well even in cold climatic conditions owing to their very low pour point.

## PERFORMANCE LEVEL

- MAK HYDROL P 46 : Proprietary grade
- MAK HYDROL P 68 : L&T- (R-201-032-11) Index A Specification
- MAK HYDROL P 100 : L&T - (Z-00-032-42) Index G Specification

## Technical Specifications

Characteristics	IS 1448	Typical Figures		
		46	68	100
Appearance	--	Clear brown fluid	Clear brown fluid	Clear brown fluid
Density at 15° C	P:16	0.8759	0.8805	0.892
K.V at 40° C, cSt	P:25	43.28	66.03	106.92
Viscosity Index	P:56	154	144	130
Pour Point, °C	P:10	-39	-36	-30
Flash Point, (COC), °C	P:69	210	226	240
Copper Strip Corrosion Test at 100°C for 3 hrs.	P:15	1a	1a	1a
Foaming Characteristics/Stability				
a) Sequence I		10 / Nil	10 / Nil	10 / Nil
b) Sequence II		30 / Nil	30 / Nil	10 / Nil
c) Sequence III	P:67	20 / Nil	20 / Nil	10 / Nil

## Health and Safety

All the mentioned values are typical which may vary from batch to batch. These oils are not hazardous under normal conditions of use. For further guidance appropriate Material Safety Data Sheet may be referred.

## Advice

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

**Bharat Petroleum Corporation Ltd.**

Bharat Bhavan – II, First Floor, 4 & 6, Currimbhoy Road, Ballard Estate, Mumbai 400 001.

E-mail : [MAKcustomercare2@bharatpetroleum.in](mailto:MAKcustomercare2@bharatpetroleum.in)

Tel No.: 022-24176351