

# **MAK FILM BEAR**

## **Description**

These oils have been specially formulated with hydro processed Group II plus base oil. These possess inherent anti-oxidation, anti-rust and thermal stability properties, with outstanding demulsibility..

## **Application**

These oils are recommended for oil film bearings operating at high temperature conditions and with possibility of water ingress into the oil system.

## **Benefits**

- Possess anti-oxidation, anti-rust and thermal stability properties.
- Exhibits outstanding demulsibility.

## **Performance Level**

- IPSS : 1-09-001-97

Our grades meet above specification for the respective viscosity grades.

## Technical Specifications

Characteristics	ASTM	MAK Filmbear				
		46	68	100	150	220
Appearance	--	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Density at 15° C	D1298	0.8582	0.8614	0.865	0.8722	0.8892
K.V at 40° C, cSt	D445	46.2	68.1	100.6	150.8	220.3
Viscosity Index	D2270	102	101	101	99	98
Pour Point, °C	D97	-15	-15	-12	-9	-9
Flash Point, (COC), °C	D92	234	238	244	250	254
Copper Strip Corrosion Test at 100°C for 3 hrs.	D130	1a	1a	1a	1a	1a
Foaming Characteristics/Stability	D892					
a) Sequence I		Nil	Nil	Nil	Nil	Nil
b) Sequence II		Nil	Nil	Nil	Nil	Nil
c) Sequence III		Nil	Nil	Nil	Nil	Nil

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 & Safety

This grade is not hazardous under normal conditions of use. For further guidance 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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