

# MAK COMPRESSOR OILS

## Description

Reciprocating Compressors operate at high temperatures and pressures and their main requirement is to sustain a strong film so as to avoid surface wear. Being formulated from High viscosity base oils, MAK Compressor oils provide better film strength even at high temperatures. They have shown low carbon forming tendency, good demulsibility, low sludge and deposit, and exceptional resistance to oxidation and thermal degradation. They have been blended with fitting additive dosage to impart, anticorrosive and antiwear properties.

## Application

These oils are recommended for high performance reciprocating and rotary air compressors where air discharge temperatures may go up to 220°C.

MAK Compressor Oil 150 is approved by RDSO for use in Expressors / Compressors on diesel and electric locomotives of Indian Railways.

## Benefits

- Have very good demulsibility property which leads to low deposits and less sludge formation tendency
- Possess very low carbon forming tendency
- Provides good thermal stability hence suitable for high temperature applications

## Performance Level

- DIN 51 506 – VDL
- ISO / DP 6521
- IS 13256 : 1992 DAA & DAB type [Reaffirmed Nov., 1998]

## Technical Specifications

Characteristics	ASTM	Typical Figures		
		32	46	68
Appearance	--	Clear & Bright	Clear & Bright	Clear & Bright
Density @15°C	D1298	0.8533	0.8567	0.8618
K.V at 40° C, cSt	D445	32.4	46.1	68.8
Viscosity Index	D2270	108	108	108
Pour Point, °C	D97	-15	-15	-15
Flash Point, (COC), °C	D92	230	242	244

Characteristics	ASTM	Typical Figures			
		100	150	220	320
Appearance	--	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Density @15°C	D1298	0.8661	0.8703	0.8872	0.8923
K.V at 40° C, cSt	D445	100.2	150.5	220.3	320.7
Viscosity Index	D2270	108	101	98	96
Pour Point, °C	D97	-12	-9	-6	-6
Flash Point, (COC), °C	D92	250	258	262	264

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.**

Product and Application Development Dept.  
 BPCL 'A' Installation, Sewree Fort Road, Sewree (East)  
 Mumbai -400015  
 E-mail: [MAKcustomercare2@bharatpetroleum.in](mailto:MAKcustomercare2@bharatpetroleum.in)  
 Tel No.: 022-24176351