

## Product Data Sheet

# MAK TURBOL AC

ISO VG: 32, 46 & 68

NON ISO VG: 57

### DESCRIPTION

These oils are blended from specially refined paraffinic base oils which have exceptional thermal and oxidation stability. These oils are compatible with Ammonia and display excellent oxidation stability in the presence of ammonia.

### PERFORMANCE BENEFITS

- Exceptional oxidation & thermal stability
- Extremely low deposit / sludge foaming tendency
- Excellent demulsibility property
- Excellent oxidation stability in the presence of Ammonia

### APPLICATIONS

These are recommended for the lubrication of Ammonia and Syn-gas centrifugal and screw type turbo-compressors.

TURBOL AC 46 is approved by M/s BHEL for Turbo Machines being used in Ammonia and Syn-gas services.

### PERFORMANCE LEVEL

- IS 1012 : 2002 SPECIFICATION FOR Turbine Lubricating Oils

Our grades meet above specifications for the respective viscosity grades.

Characteristics	IS 1448	Typical Figures			
		32	46	57	68
Appearance	--	Clear fluid	Clear fluid	Clear fluid	Clear fluid
Density at 15° C	P:16	0.8508	0.8558	0.8602	0.8618
K.V at 40° C, cSt	P:25	32.9	46.5	57.3	68.7
Viscosity Index	P:56	105	105	104	104
Pour Point, °C	P:10	-15	-15	-15	-15
Flash Point, (COC), °C	P:69	236	244	252	258
Copper Strip Corrosion Test at 100°C for 3 hrs.	P:15	1a	1a	1a	1a
Foaming Characteristics/Stability	P:67	Nil / Nil 10 / Nil Nil / Nil	Nil / Nil 10 / Nil Nil / Nil	Nil / Nil 10 / Nil Nil / Nil	Nil / Nil 10 / Nil Nil / Nil
a) Sequence I					
b) Sequence II					
c) Sequence III					

### Health and Safety

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

**Bharat Petroleum Corporation Ltd.**

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Edition: R&D / Indl / 0015 / Issue 1 / Oct, 2008