

Product Data Sheet

MAK TURBOL

ISO VG: 32, 46, 68, & 100 NON ISO VG: 37, 57 & 78

DESCRIPTION
 These oils have exceptional thermal and oxidation stability. In addition, they are also fortified with anti-rust and anti-oxidant additives.

PERFORMANCE BENEFITS

- Good oxidation & thermal stability
- Provide excellent protection against rusting
- Ability to release entrained air rapidly
- Excellent demulsibility and resistance to foaming

APPLICATIONS
 These oils are recommended in pressure circulation lube oil system in steam / gas / water turbines as prime mover for electricity generation. These are also used for the lubrication of steam turbines used as prime movers in industries. They are used in the lubrication of bearings of rotary / turbo compressors. They are also used to lubricate bearings prone to water contamination where demulsibility becomes a very important parameter for selection of oil.

PERFORMANCE LEVEL

- IS 1012 : 2002
- DIN 51 515 Part 1
- BS 489 : 1983
- GEK 32568A

Our grades meet above specifications for the respective viscosity grades.

Characteristics	IS 1448	Typical Figures		
		32	37	46
Appearance	--	Clear fluid	Clear fluid	Clear fluid
Density at 15° C	P:16	0.8512	0.8528	0.8552
K.V at 40° C, cSt	P:25	32.9	37.3	46.5
Viscosity Index	P:56	110	110	110
Pour Point, °C	P:10	-18	-18	-18
Flash Point, (COC), °C	P:69	238	240	246
Copper Strip Corrosion Test at 100°C for 3 hrs.	P:15	No corrosion	No corrosion	No corrosion
Foaming Characteristics/Stability	P:67	Nil / Nil	Nil / Nil	Nil / Nil
a) Sequence I				
b) Sequence II				
c) Sequence III		Nil / Nil	Nil / Nil	Nil / Nil

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Characteristics	IS 1448	Typical Figures			
		57	68	78	100
Appearance	--	Clear fluid	Clear fluid	Clear fluid	Clear fluid
Density at 15° C	P:16	0.8597	0.8612	0.8630	0.8649
K.V at 40° C, cSt	P:25	57.4	68.8	78.5	100.1
Viscosity Index	P:56	108	106	105	104
Pour Point, °C	P:10	-18	-15	-15	-15
Flash Point, (COC), °C	P:69	252	256	260	262
Copper Strip Corrosion Test at 100°C for 3 hrs.	P:15	No corrosion	1a	1a	1a
Foaming Characteristics/Stability	P:67				
a) Sequence I		Nil / Nil	Nil / Nil	Nil / Nil	Nil / Nil
b) Sequence II		10 / Nil	10 / Nil	10 / Nil	10 / Nil
c) Sequence III		Nil / Nil	Nil / Nil	Nil / Nil	Nil / Nil

Health and Safety

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

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Technical Services

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