

Product Data Sheet

MAK ENGOL J

ISO VG: 460, 680, 1000 & 1500

NON ISO VG: 521 & 800

DESCRIPTION

These oils are compounded with fatty oils to provide good wettability.

APPLICATIONS

These are recommended for lubrication in gear boxes, where high viscosity and compounded type of oils are required. These oils are also suitable for lubrication of worm gears where Sulphur / Phosphorus type EP additives are not recommended.

PERFORMANCE BENEFITS

- Provides excellent oiliness
- Possesses excellent film strength properties

PERFORMANCE LEVEL

• IS 1589 : 1994 Type 2 [Reaffirmed March, 2001]

• IPSS: 1-09-010

Our grades meet above specifications for the respective viscosity grades.

	IS	Typical Figures		
Characteristics	1448	460	521	680
Appearance		Dark brown fluid	Dark brown fluid	Dark brown fluid
Density at 15° C	P:16	0.905	0.913	0.9202
K.V at 40° C, cSt	P:25	460.5	521.4	680.7
Viscosity Index	P:56	95	92	91
Pour Point, °C	P:10	-6	-6	-6
Flash Point, (COC), °C	P:69	256	262	278
Copper Strip Corrosion Test at 100°C for 3 hrs.	P:15	1a	1a	1a

	IS	Typical Figures		
Characteristics	1448	800	1000	1500
Appearance		Dark brown fluid	Dark brown fluid	Dark brown fluid
Density at 15° C	P:16	0.9320	0.9660	0.9860
K.V at 40° C, cSt	P:25	800.4	1000.9	1500.3
Viscosity Index	P:56	90	90	90
Pour Point, °C	P:10	-3	-3	-3
Flash Point, (COC), °C	P:69	282	286	296
Copper Strip Corrosion Test at 100°C for 3 hrs.	P:15	1a	1a	1a

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.

Technical Services

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