

## Product Data Sheet

# MAK MULTIGRADE

SAE Grade: 20W-40

### DESCRIPTION

This is superior quality multigrade oil blended with superior quality high Viscosity Index base oils and contains well balanced group of additives, to provide high detergency, dispersancy and anti oxidation characteristics.

### APPLICATIONS

It is recommended for use in Heavy Duty Commercial Vehicles, Light Commercial Vehicles & Multi-utility vehicles fitted with high speed naturally aspirated or Turbo charged diesel engines operating at low speed and high torque conditions that are prevalent in prolonged city stop & go driving conditions and also in hilly regions.

### PERFORMANCE BENEFITS

- Better resistance against wear of moving engine parts at all operating conditions
- Excellent thermal and oxidation stability & less formation of oxidation related deposits
- Protects engine components against rust and corrosion due to built-in alkaline reserves
- Ensures smooth running of engine in all climatic conditions

### PERFORMANCE LEVEL

- API CF / SF
- IS 13656:2002 Type EDL2 & EPL2

Characteristics	IS 1448	Typical Figures
Appearance	--	Clear & Bright
Colour, Visual Observation	--	Red
Density @15°C, gm/ml	P:16	0.8911
K.V at 100° C, cSt	P:25	14.10
Copper Corrosion @ 100° C for 3 hrs	P:15	1a
Flash Point, (COC), °C	P:69	240
Viscosity Index	P:56	113
Pour Point, °C	P:10	-24
Foaming Tendency / Stability: Qty. of foam in ml		
a) Sequence I	P:67	Nil / Nil
b) Sequence II		10 / Nil
c) Sequence III		Nil / Nil

### Health and Safety

This oil is not hazardous under normal conditions of use. For further guidance appropriate Material Safety Data Sheet may be referred.

Bharat Petroleum Corporation Ltd.

2008

Technical Services

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