

## Product Data Sheet

# MAK-CH4

SAE Grade: 15W-40

### DESCRIPTION

It is formulated for lubrication of modern diesel engines meeting latest emission norms (Euro III) and operating under severe conditions to meet stringent emission norms. It is fortified with superior quality high viscosity index improvers and unique anti-wear additives to protect heavily loaded engine parts such as valve train.

### APPLICATIONS

It is recommended for use in latest generation Diesel engine vehicles to meet Euro-II and Euro-III emission norms. However, this oil can also be used in vehicles requiring API CG-4 or CF-4 oil.

This oil has been licensed by American Petroleum Institute (API) to market under their "DONUT~ symbol.

### PERFORMANCE BENEFITS

- The latest generation dispersants used in this oil helps in handling higher amount of soot and thereby controlling the viscosity increase
- Ensures excellent protection against oxidation, rust and corrosion
- Exhibits superior anti-foam characteristics
- This oil is suitable for use in all seasons and helps in reducing oil consumption

### PERFORMANCE LEVEL

- API CH-4 / SJ
- ACEA A3-98 / B3-98 / E3-96 Issue 2
- MB 228.3

Characteristics	IS 1448	Typical Figures 15W-40
Appearance	--	Clear & Bright
Colour, Visual Observation	--	Brown
Density @15°C, gm/ml	P: 16	0.8885
K.V at 100° C, cSt	P: 25	14.20
Copper Corrosion @ 100° C for 3 hrs	P: 15	1a
Flash Point, (COC), °C	P: 69	232
Viscosity Index	P: 56	145
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.**

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