

# MAK V3

## Description

Premium quality diesel engine oil formulated with superior quality base oils and additives like detergent - dispersant inhibitors, anti-wear additives and viscosity index improver to meet Volvo VDS-3 requirements.

## Application

It is recommended for use in latest generation Volvo vehicles and Volvo Heavy Earth Moving Machinery. This can also be used in new generation diesel engines for road transport and mining / earth moving industry.

**It is approved by M/s. Volvo, Sweden for use in their vehicles.**

## Benefits

- The unique detergent-dispersant inhibitor used in this oil helps in keeping the engine clean.
- Good anti-wear properties.

## PERFORMANCE LEVEL

- Volvo VDS-3
- API CI-4 / SJ
- MTU Type 2
- ACEA E7
- MB 228.3

## Technical Specifications

Characteristics	ASTM	MAK V3 15W-40
Appearance	--	Clear & Bright
Color, Visual Observation	--	Brown
Density @15°C, gm/ml	D1298	0.8740
K.V at 100° C, cSt	D445	14.3
Copper Corrosion @ 100° C for 3 hrs	D130	1a
Flash Point, (COC), °C	D92	224
Viscosity Index	D2270	137
Pour Point, °C	D97	-24
Foaming Tendency / Stability: Qty. of foam in ml a) Sequence I b) Sequence II c) Sequence III	D892	Nil / Nil 10 / Nil Nil / Nil

All the mentioned values are typical which may vary from batch to batch.

## Storage and Handling

- Indoor Storage is always preferable.
- Barrels should be kept horizontally with bung position at 3 O'clock 9 O'clock position.
- Barrels should be kept away from dusty or heated areas.
- During handling any contact with dust must be avoided.

## Health & Safety

This grade is not hazardous under normal conditions of use. For further guidance Material Safety Data Sheet (MSDS) may be referred.

## Advice

For any further advice on applications or otherwise, please contact the nearest Bharat Petroleum territory office or Technical Services department at the address given below.

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