

MAK DIAMOND 15W-40

Multigrade diesel engine oil with API CF-4 performance

MAK Diamond 15W-40 is a heavy duty diesel engine oil blended from highly refined high viscosity index Group II plus base stocks. It is formulated to perform under the most stringent operating condition for heavy duty diesel engines. It offers outstanding protection against oil degradation, oil thickening and corrosion. This oil has good shear stability and maintains its viscosity even under high shear, high temperature conditions. MAK Diamond 15W-40 provides the highest level of protection for relatively older diesel engines, large or small, non-turbocharged or turbocharged diesel engines requiring added wear protection and prevention of oil loss of a higher viscosity engine oil.

Applications:

MAK Diamond 15W-40 is recommended for use in diesel engines meeting BS I and BS II standards of emission for vehicles such as heavy duty trucks, buses, LCVs, SUVs and diesel passenger cars. It is suitable for diesel engines requiring oils such as CF-4, CF and CD performance. Alternatively be guided by OEM's recommendation for oil drain period.

Performance/ Benefits:

Resistance to Oxidation and Thermal Degradation – enhanced high temperature stability offers superior protection to the engine oil at high temperatures and controls sludge build-up and deposits formation.

Enhanced Engine Life – offers excellent protection against wear and tear of critical engine parts even under severe operating conditions. Improves durability and reliability of engine and reduces maintenance costs.

Engine Cleanliness – superior dispersancy characteristics in the engine oil prevents oil thickening and increases oil service life.

Long Service Life – low volatility of high quality Group II Plus base oils reduces top ups and oil consumption.

Corrosion Protection – provides excellent control of acids formed by oxidation of oil and combustion of fuels. Selected detergent additives neutralise them help prevent corrosion.

Trouble Free Operation – ensures easy start and trouble free driving in all weather conditions.

Excellent Shear Stability – ensures viscosity control at high temperatures and high shear conditions. Provides protection to the components.

Good TBN Retention – excellent protection against corrosive wear of engine components due to high TBN retention capacity over the entire oil life.

Performance Level/ Specification:

Meets the performance benchmarks of

- API CF-4
- MB 228.1

Typical Physico-Chemical Data: MAK Diamond 15W-40

Characteristics	Method	Value
SAE Grade	SAE J300	15W-40
Color	Visual	Brown
Appearance	Visual	Clear
Density @29.5°C, g/cc	ASTM D1298	0.860
Kinematic Viscosity @40°C, cSt	ASTM D445	113.3
Kinematic Viscosity @100°C, cSt	ASTM D445	14.50
Viscosity Index	ASTM D2270	131
Copper Corrosion, 100°C, 3 hrs.	ASTM D130	1a
Flash Point, °C	ASTM D92	226
Pour Point, °C	ASTM D97	-27
Foaming Tendency	ASTM D892	
a) Sequence I		Nil / Nil
b) Sequence II		10 / Nil
c) Sequence III		Nil / Nil

Storage & Handling:

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing and store under protected storage conditions.

Health & Safety:

It is unlikely to be hazardous when properly used in recommended applications. Contamination of the oil from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.