

Opt-Max CK-4/SL 15W40

HEAVY DUTY ENGINE OIL

Opt-Max CK-4/SL 15W40 features high performance additive technology in fully synthetic base oil designed to lubricate and protect the full range of pressures and temperatures found in modern engines.

Product Description

Opt-Max CK-4/SL 15W40 is a premium quality diesel engine oil which offer exceptional engine protection that helps to extend the engine life and draining interval for heavy duty engines operating in extreme conditions. This products is designed to deliver enhanced performance in ERG (Exhaust Gas Recirculation) equipped heavy duty diesel engines as well as satisfying the requirements of normal aspirated engines.

Opt-Max CK-4/SL 15W40 also complies with the latest requirement of API SL specifications for gasoline engines in mixed fleets.

Features and Benefits

- Excellent thermal and oxidation stability which helps to prolong oil service life.
- Maintains maximum engine protection due to superior wear and bearing corrosion control.
- Sustains engine durability where exhaust gas recirculation (EGR) is used.
- Good low temperature oil flow provides an easier start-up in cold weather.
- Robust reserved alkalinity (TBN) for outstanding sludge control and acid neutralisation.

Applications

- Recommended for use in diesel engines, such as high speed, four-stroke, turbo-charged or naturally aspirated engines operating under very severe conditions.
- Suitable for a wide range of on-and-off road applications such as construction, agriculture activities and certain marine or stationary power generation.

Performance Standards

Opt-Max CK-4/SL 15W40 meets the following performance requirements:

- API CK-4/SL
- ACEA E4-08
- ACEA E7-08
- MB-Approved 228.5/228.51
- JASO DH-2
- Volvo VDS-3

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Specifications

Product Properties		Opt-Max CK-4/SL 15W-40	Testing Methods
SAE Grade	-	-	-
Kinematic Viscosity (40°C)	mm ² /s	115.8	ASTM D445
Kinematic Viscosity (100°C)	mm ² /s	15.6	ASTM D445
Viscosity Index	-	143	ASTM D2270
Density at 15°C	kg/m ³	874.0	ASTM D4052
Flash Point (open)	°C	225	ASTM D92
Pour Point	°C	-30	ASTM D97
TBN	mgKOH/g	9.7	ASTM 2896

* Above product properties are indicative and subject to change without prior notice.

Storage and Handling

- All storage equipment, tanks, pipes, valves and etc. apparatus have to be cleaned thoroughly and inspected to be clean for use before transferring or transporting Opt-Max CK-4/SL 15W40.
- Opt-Max CK-4/SL 15W40 must be stored in dedicated storage tanks/equipment and it is recommended to be stored in an indoor controlled environment.
- Storage tanks/equipment must be waterproof, mist-proof and free from other mechanical particles.
- Opt-Max CK-4/SL 15W40 must be clearly labelled properly during the entire transportation process to prevent the risk of mixing with other petrochemical product.

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Health and Safety

Opt-Max CK-4/SL 15W40 is unlikely to present any significant health or safety hazard when properly used in the recommended application. This product must always be handled with care, particularly avoiding skin contact. For further guidance on Product Health & Safety refer to the appropriate Opt-Max CK-4/SL 15W40 Material Safety Data Sheet.

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