

SuperMax Oil Germany Diesel S 15W40

Superior Oil And Fuel Economy With Improved Formulation



PRODUCT DESCRIPTION

SuperMax Oil Germany Diesel S 15W40 is high performance diesel engine oil for heavy-duty vehicles that has been formulated with high quality base oils and high performance additive combinations. It can be used in heavy-duty vehicles, busses, pickup trucks, minibuses and panel vans that have turbo and super charged engines and work in urban, interurban and international transportation.

ADVANTAGES

- Produced by special formulation to meet needs of modern engines at unique performance level.
- Reduces cost of maintenance by decreasing oil consumption and extends oil change periods.
- Thanks to its high TBN value, it protects engine even high content sulfur fuels is used. It also protects exhaust emission system and increases its performance.
- Provides excellent engine performance by the help of unique “viscosity grade durability” characteristic at any kinds of climate and operation temperatures.
- Provides excellent fuel economy
- Keeps the engine as clean and boosts engine power.

Best choice for modern commercial vehicle shipping that need fuel and oil economy beside high performance engine.

APPROVALS AND SPECIFICATIONS

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|-----------------------------|---------------------------|
| • API CI-4/SL | • Volvo VDS-3 |
| • ACEA E7-12 | • Cummins CES 20078/77/76 |
| • MTU Type 2 | • Deutz DQC III-10 |
| • MB 228.3 | • Renault Truck RLD-2 |
| • MAN M 3275 | • CAT ECF-1-a/ECF-2 |
| • Detroit Diesel DDC 93K215 | • Global DHD-1 |
| • Mack EO-N/EO-M Plus | |

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CHARACTERISTIC PROPERTIES

Viscosity Grade : SAE 15W / 40

Test	Unit	Test Method	Ideal Values
Density, 15° C	g/cm ³	ASTM D 4052	0.885
Viscosity, 40° C	cSt	ASTM D 445	112.90
Viscosity, 100° C	cSt	ASTM D 445	14.87
Viscosity Index	-	ASTM D 2270	136
Pour Point	°C	ASTM D 97	-30
Flash Point	°C	ASTM D 92	230
CCS -30° C	mPa.s	ASTM D 5293	6080
TBN	mg KOH/g	ASTM D 2896	10.5

STORAGE

Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use. Packages should not be exposed to direct sunlight and avoid rapid climatic changes. Ambient temperature should not exceed 60 °C.

SHELF LIFE

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

HEALTH AND SAFETY

Based on the available information, SuperMax Oil Germany Diesel S 15W40 is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Material Safety Data Sheet" (MSDS). MSDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations