



Optimax Super Plus CI4

Super High Performance Diesel Engine Oil (SHPD)

Optimax Super Plus SAE 15W-40, is a multi-grade excellent quality Super High Performance Diesel Engine Oil (SHPD) designed to provide advanced protection for fleets with latest European, US and Japanese diesel engines. Optimax Super Plus 15W 40 is formulated using unique additive technology aimed at enhancing lubricant performance in modern diesel engines equipped with EGR systems. The product is marketed with API Donut symbol, the internationally accepted symbol for quality assurance under the API, USA licensing agreement.

Applications

- **Automotive diesel engines**
Meets the differing top requirements of all automotive high-speed four-stroke diesel engines.

Performance Features

- **Super High Performance Diesel Engine Oil**
Outstanding performance.
- **Advanced additive technology**
Advanced SHPD additive technology produces a shear-stable engine oil that could withstand the highest mechanical loads whilst providing outstanding wear protection under all operating conditions.
- **Oil for ALL automotive diesel engines**
Provides excellent performance and protection in all high-speed diesel engines.
- **Multigrade nature:**
Ideal for modern fleets with mixed diesel engines.
- **High alkalinity reserve**
Excellent total base number (TBN) retention and more alkalinity to control acid formations giving long term resistance to corrosive engine wear.
- **Extended oil drain capability**
Provides outstanding performance for applications requiring extended oil drain intervals.
- **Low emission technology**
Meets the latest, most stringent, industry and OEM low emission targets including EGR, DPF systems

Performance Specifications. The product meets the following approvals:

API:	Diesel/Petrol Rating CI-4/ SL
ACEA	E5, 96 issue 2, B3-98, A3-98
Mercedes Benz	- 228.3, 229.1
Volvo	- VDS 2
MAN	- 271
MACK	- EO-M Plus, EO-M
MTU	-Type 1
Cummins	-CES 20071, 20072, 20076
DDC Series	- 2000/4000
Caterpillar	-ECF-1
Global	-DHD-1

Typical Physical Characteristics

Optimax Super Plus	15W-40
SAE Viscosity Grade	15W-40
Viscosity @ 40°C, cSt	114
Viscosity @ 100°C, cSt	15.2
Viscosity Index (min)	139
Density @ 15°C, kg/l	0.880
Flash Point °C (IP 36) (Cleveland Open Cup) MIN	200
Pour Point, °C	-27
Sulfated Ash % Mass	1.2
TBN mg KOH/g	10.2
Foam Seq 1	Nil

These characteristics are typical of current production. Whilst future production will conform to Eterna Specifications, variations in these characteristics may occur.

Health, Safety & Environment

Optimax Super Plus 15W-40 Oil is unlikely to present any significant HSE hazard when properly used in the recommended application whilst good industrial, personal hygiene and environmental standards are maintained.

Avoid contact with skin. Use impervious gloves with used oil. In the event of skin contact, wash immediately with soap and water.

Dispose used oil safely. Do not discharge into drains, soil or water.

Advice

Advice on applications not covered in this leaflet may be obtained from the Lubricants Department, Eterna Plc, 5a Oba Adeyinka Oyekan Avenue (formerly Second Avenue), Ikoyi, Lagos.

Tel: 01-8981836, 8981842, 2691651.