Masters Force 1 15W - 40

Super High Performance Diesel Engine Oil (SHPD)

Masters Force 1 15W-40 is a top quality Super High Performance Diesel Engine Oil (SHPD) specially formulated to provide the ultimate all round performance in all automotive high speed four stroke diesel engines used throughout the road Transport, construction industries and several stationary units.

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 maximum 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

Performance Specifications

API	- CH-4 / CG-4 / CF4
ACEA	- E2-96 issue 2,B3-98, A3-98
Mercedes Benz	- 228.3,229.1
Volvo	- VDS
MAN	- 271
MACK	- EO-M, EO-M Plus
MTU	-Type 1
Cummins	-CES 20071,20076
DDC Series	- 2000/4000

Typical Physical Characteristics

MASTERS FORCE 1	**15W-40**
SAE Viscosity Grade	15W-40
Viscosity @ 40°C, cSt	107.91
100°C, cSt	14.05
Viscosity Index (min)	134
TBN mgKOH/g	10.69
Sulfated ash %	1.00
Density @ 15°C, kg/l	0.885
Flash Point °C (IP 36) (Cleveland Open Cup)	230
Pour Point, °C	-27

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

Health, Safety & Environment

Masters Force 1 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, Alsa Petrochemicals Industries Limited, Lagos Ibadan Express way, Mowe Ogun State.

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