

# Masters Force 2 15W - 40

## *Extra High Performance Diesel Engine Oil (EHPD)*

Masters Force 2 15W-40 is a top quality Extra High Performance Diesel Engine Oil (EHPD) specially formulated with high quality base stocks with superior additive system, which extends engine life and also provide superior control for soot build up. Application is for all automotive high speed four stroke diesel engines used throughout the road, transport, construction industries and several stationary units.

### Applications

Recommended for use in 4 strokes diesel engines where API CI-4 performance is recommended. Please follow manufacturers recommendation as described in the vehicle owners manuals.

### Performance Features

#### Advanced additive technology

EHPD advanced additive technology provides a superior control of oil thickening due to soot build up as well as outstanding resistance to corrosion and high temperature deposits.

#### High alkalinity reserve

Excellent base number (TBN) retention, which implies more alkalinity to control acid formations giving long term resistance to corrosion, and extended oil drain intervals.

#### Low emission technology

Meets the latest, most stringent, industry and OEM low emission legislations.

### Performance Specifications

API	- CI-4/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 2	15W-40
<b>SAE Viscosity Grade</b>	15W-40
<b>Viscosity @ 40°C, cSt</b>	105.4
100°C, cSt	14.3
<b>Viscosity Index (min)</b>	139
<b>TBN mgKOH/g</b>	11.19
<b>Sulfated ash %</b>	1.00
<b>Density @ 15°C, kg/l</b>	0.885
<b>Flash Point °C (IP 36)</b> (Cleveland Open Cup)	230
<b>Pour Point, °C</b>	-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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