

# Masters HD Genset 15W - 40

## Premium Quality Multigrade Diesel Engine Oil

Masters HD Genset CF-4 is high quality multigrade diesel engine oil specially engineered for use in high speed turbocharged diesel engine running on extremely low sulphur diesel as well as high sulphur diesel for off highway and highway application. It assures outstanding protection against high temperature engine deposits, oil degradation, oil thickening and corrosion. The oil is having excellent shear stability to maintain viscosity under severe, high temperature operations.

### Applications

#### Automotive diesel engines

Recommended for use in severe duty four stroke turbo-charged and naturally aspirated diesel engines of both on-highway and off-highway, running on high or extremely low sulphur diesel.

#### Performance Features

- Excellent TBN retention, effective neutralizing by-products of combustion
- Outstanding thermal and Oxidation stability.
- Reduces soot induced oil thickening and associated engine wear.
- Maximum protection from wear and deposits.
- Excellent soot dispersancy

#### Performance Specifications

API	- CF- 4/SJ/SG
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 HD Genset	15W-40
<b>SAE Viscosity Grade</b>	15W-40
<b>TBN mgKOH/g</b>	8.0
<b>Viscosity @ 40C, cSt</b>	115.35
<b>100C, cSt</b>	14.3
<b>Viscosity Index (min)</b>	127
<b>Density @ 15C, kg/l</b>	0.885
<b>Flash Point C (IP 36)</b> (Cleveland Open Cup)	230
<b>Sulfated Ash wt%</b>	0.8
<b>Pour Point, C</b>	-24

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

The 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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