



## PRODUCT TECHNICAL DATA SHEET

# FLEET GUARD SAE 15W40 API CF4

Super Heavy Duty Diesel Engine Oil

## PRODUCT DESCRIPTION

**FLEET GUARD SAE 15W40 API CF4** is a high performance multi-grade engine oil for use in heavy duty diesel engines. It is available in **SAE 15W40, 20W50** viscosity grade and has been developed as an API service classification CF4 oil for mixed fleet operations where European, U.S. and Japanese heavy and light duty trucks are used. The total base number (TBN) of 11 provides a high alkalinity reserve necessary to give excellent engine protection for long engine life.

## APPLICATIONS

- ★ High speed diesel engines in offshore marine service (e.g. ferries, fishing boats, etc...)
- ★ Heavy earth moving equipment used in the construction industry
- ★ Long distance coach operations
- ★ Mixed fleets of diesel engines
- ★ Agricultural tractors
- ★ Stationary power generation units using high speed diesel engines
- ★ Extended oil drain capabilities

## PERFORMANCE STANDARDS

**FLEET GUARD SAE 15W40 API CF 4** meets and exceeds the following OEM and International specifications:

API	CF4
ACEA	E2-96/4
JASO	DH-1
U.S. Military	MIL-L-2104F
Mercedes-Benz	228.1
Volvo	VDS
MACK	EO-K/2
MAN	270

*Always follow equipment manufacturer's recommendation for required lubricant performance levels and oil drain intervals.*

## DOCUMENT INFORMATION

Issued by	Qatar Fuel (WQOD) – Lubricants Section	Doc. Ref. No.	WL/TDS/F003
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## BENEFITS

### FLEET GUARD SAE 15W40 API CF4 provides:

- ★ Extended oil drain intervals
- ★ Excellent control of oxidation and oil thickening
- ★ Minimal engine deposits
- ★ Reduces fleet maintenance costs
- ★ Neutralization of corrosive acids
- ★ Preserves full power and performance

## TECHNICAL DATA\*

SAE Grade	15W40	20W50
Kinematic Viscosity: mm <sup>2</sup> /s @ 40 °C	114.9	192.2
mm <sup>2</sup> /s @100 °C	15.6	21.58
Viscosity Index	143	134
Flash Point COC, °C	228	238
Pour Point, °C	-30	-27
BN No. ASTM D2896	11	11
Sulphated Ash % m	1.52	1.52

\*The information prepared provides the typical properties that are considered as representative. Some variation which will not affect performance is possible.

## HEALTH & SAFETY, ENVIRONMENT

The information on this product is available in the WOQOD Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information we recommend you review the MSDS. Handled correctly there are no special precautions suggested.

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