



# DUCKHAMS FLEETMASTER 10W-30

*DUCKHAMS FLEETMASTER 10W-30 is a high performance product formulated with mineral base oil and high quality additive. It helps to provide protection to diesel and gasoline engines operating in severe on and off-highway service applications. This product is suitable for four strokes diesel engines that are naturally aspirated and/or equipped with turbocharges and including high detergent and dispersant additives to help keep engines clean and function well in extreme operating conditions.*

## Meet Performance :

- API CI-4, CH-4
- ACEA E7-16 (Do not show on label before register on ACEA)
- JASO DH-1-15
- MAN 3275-1
- MTU Type 2
- Volvo VDS-2
- Mack EO-M+
- Cummins CES 20076/77/78
- Deutz DQC III-18
- Global DHD-1

## Applications :

- For high-speed four-stroke engines designed to meet 2004 exhaust emission standards implemented in 2002.
- API CI-4 oils are formulated to sustain engine durability where exhaust gas recirculation (EGR) is used.
- Suitable for new model diesel engine with Commonrail.

## Features and Benefits :

- API CI-4 oils are superior in performance to those meeting API CH-4, CG-4 and CF-4
- Optimum protection is provided for control of corrosive wear tendencies, low and high temperature stability, soot handling properties, piston deposit control, valve train wear, oxidative thickening, foaming and viscosity loss due to shear.
- Reduce starting problems and engine wear
- Surpass in driving performance
- Prevent sludge formation and keep engine clean
- Meet Several European OEM
- Extended oil drain intervals
- High Viscosity Index

## Typical Properties :

Properties	Test Method	Typical value
Appearance	Visual	Bright & Clear
ASTM Color	ASTM D1500/D6045	L3.0
Density @15 <sup>0</sup> C, g/cm <sup>3</sup>	ASTM D4052	0.8668
Kinematic Viscosity @100 <sup>0</sup> C	ASTM D445	11.76
Viscosity Index	ASTM D2270	144
Flash Point by COC, <sup>0</sup> C	ASTM D92	232
Pour Point, <sup>0</sup> C	ASTM D5950/6892/6749	-42
Total Base Number, mgKOH/g	ASTM D2896	10.4
Cold Cranking Simulator @ -25 <sup>0</sup> C, mPas	ASTM D5293	5,356

These descriptions are typical of current production. Whilst future production will conform to Duckhams' specification, variations in there description may occurs.

The information contained herein is correct to the best of our knowledge. The recommendations or suggestions contained in this bulletin are made without guarantee or representation as to results. We suggest that you evaluate these recommendations and suggestions in your own laboratory prior to use.

Our responsibility for claims arising from breach of warranty, negligence or otherwise is limited to the purchase price of the material. Freedom to use any patent owned by Duckhams or others is not to be inferred from any statement contained herein.