



Gulf Fleet Force Synth

Commercial Vehicle Engine Oil

Product Description

Gulf Fleet Force Synth is extra high performance synthetic heavy-duty diesel engine oil developed to meet the requirements of modern European engines meeting Euro IV emission norms. It is formulated with premium quality base fluids and advanced additive technology to offer superior engine protection and significantly extended drain intervals. This oil meets the latest ACEA E7 & ACEA E4 specifications and is suitable for severe duty applications and extended service life in most modern European vehicles. It also meets the requirements of various North American & Japanese OEMs and is available in two different viscometrics – SAE 5W-30 & SAE 10W-40.

Features & Benefits

- Exceptional anti-wear property provides enhanced protection against wear & corrosion and bore polishing to ensure longer engine life
- Excellent soot handling capability minimises soot related wear and oil thickening
- Outstanding thermo-oxidative stability reduces sludge build-up & deposits and controls viscosity increase
- Advanced detergency/dispersancy results in cleaner engines and longer component life
- Excellent low temperature fluidity along with high temperature viscosity retention ensures highest degree of reliability even under severe operating conditions
- Superior TBN retention property coupled with above features lead to significantly extended drain intervals

Applications

- Latest heavy-duty diesel vehicles not employing diesel particulate filters operating in very low ambient temperatures. SAE 5W-30 is also suitable for engines employing Exhaust Gas Recirculation
- All turbocharged and naturally aspirated diesel engines used in on-road applications, mining, construction and other off highway applications
- Extended oil drain interval applications

Specifications, Approvals & Typical Properties

Meets the following Specifications		5W-30	10W-40
ACEA E4, E7		X	X
API CF, MB 228.5, MAN M 3277, Cummins CES 20072, MTU Oil Category 3			X
Mack EO-N/ EO-M Plus, Renault VI RXD/ RLD-2, Volvo VDS-3		X	
Cat ECF-2, Deutz DQC IV-10, MAN M 3277, M 3377		X	
Has the following Approvals			
API CI-4, MTU Oil Category 3		X	
Typical Properties			
Test Parameters	ASTM Method	Typical Values	
Viscosity @ 100 °C, cSt	D 445	11.70	14.50
Viscosity Index	D 2270	164	160
Flash Point, °C	D 92	222	230
Pour Point, °C	D 97	-54	-33
TBN, mg KOH/g	D 2896	12.50	15.80
Density @ 15°C, Kg/l	D 1298	0.86	0.86
Sulphated Ash, wt%	D 874	1.32	1.85

April 2022

Properties mentioned are typical only and minor variations, which do not affect product performance, are expected to arise in normal manufacturing processes. Please follow equipment manufacturer's recommendations for performance level and viscosity grade. The Safety Data Sheet for this product is available from your nearest Gulf Distributor. Please consult our local representative if any further information is required.

The information contained herein is believed to be correct at the time of publication and may be subject to modification from time to time. It is the user's responsibility to verify that this data sheet is current prior to using the product. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of products. Gulf Oil International reserves the right to modify and change its products and specifications without prior notice.

This data sheet has been issued by us in English language only. In the event of any discrepancy between the English language version and any other language version, the English language version shall prevail.

www.gulfoilltd.com