



Gulf Formula C3-FE

Fully Synthetic Catalyst Compatible Passenger Car Motor Oil

Product Description

Gulf Formula C3-FE is an advanced performance, fully synthetic, ultra-low emission passenger car motor oils specially designed using most modern additive chemistry meeting mid SAPS (Sulphated Ash, Phosphorous & Sulphur) requirements. This oil has been exclusively developed to provide protection against the low speed pre-ignition (LSPi) associated with TGD engine and also maintain efficiency of the after treatment devices used in the latest generation passenger cars powered by both gasoline and diesel engines. It provides exceptional cleaning power and wear protection and minimises deposits in engine & turbocharger leading to superior overall performance. It exceeds the requirements of latest low emission oil specifications of leading car manufacturers such as Daimler.

Features & Benefits

- Specially selected formulation which has potential to provide fuel economy
- Low ash content reduces particulate build-up in diesel particulate filters
- Outstanding thermo-oxidative stability reduces oil degradation and enables extended drain intervals
- Unique additive chemistry reduces soot related thickening and wear.
- Latest mid SAPS additive technology minimises poisoning of TWC (Three Way Catalyst) and prolongs life of after treatment devices used in latest passenger cars
- Active cleaning agents reduces piston deposits and sludge build-up facilitating extended engine life
- Excellent low temperature property aids cold start and protects against wear at start-up

Applications

- All gasoline and diesel engines in MB requiring mid SAPS oils meeting MB 229.52, MB 229.51 quality.
- Suitable for most of the vehicles fitted Turbocharged Gasoline Direct Injection (TGD) engines
- Modern passenger cars, SUVs, light vans & trucks powered by both gasoline and diesel engines requiring API SN, API SN Plus and ACEA C3 quality oils.

Specifications, Approvals & Typical Properties

Meets the following Specifications		5W-30
ACEA C3		X
MB 229.52, MB 229.51, MB 229.31, BMW Longlife-04		X
Has the following Approvals		
API SN, API SN Plus		X
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity @ 100 °C, cSt	D 445	12.0
Viscosity Index	D 2270	171
Flash Point, °C	D 92	230
Pour Point, °C	D 97	-39
TBN, mg KOH/g	D 2896	7.3
Density @ 15°C, Kg/l	D 1298	0.854
Sulphated Ash, %wt	D 874	0.79
Phosphorus, %wt	D 4047/ICP	0.078
Sulphur, %wt	D 129	0.21

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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.

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