



# Gulf Formula C2-FE

## Fully Synthetic Fuel Economy Passenger Car Motor Oil

### Product Description

**Gulf Formula C2-FE** is supreme performance catalyst Compatible passenger car motor oil which is capable of providing fuel economy benefit. It is formulated from finest quality synthetic base stocks and latest additive technology meeting mid SAPS (Sulphated Ash, Phosphorous & Sulphur) requirements. These oils have been exclusively developed to provide protection from detrimental effects of possible low speed pre-ignition phenomenon & timing chain wear in turbocharged direct injection gasoline engines. This low friction engine oil is specially designed for use in Mercedes passenger cars and vans requiring latest MB 229.61 specification oils.

### Features & Benefits

- A special additive technology makes it capable of providing fuel economy benefits.
- Formulated to provide Low Speed Pre-Ignition (LSPI) and timing chain wear protection in modern turbocharged direct injection gasoline engines.
- It has been designed to deliver outstanding performance and protection of engine components.
- Latest mid SAPS additive technology minimises poisoning of TWC (Three Way Catalyst) and prolongs life of after treatment devices used in latest passenger cars.
- Low ash content reduces particulate build-up in diesel particulate filters.
- Active cleaning agents reduces piston deposits and sludge build-up facilitating extended engine life.
- Very good low temperature property aids cold start and protects against wear at start-up.

### Applications

- All gasoline and diesel engines in Mercedes meeting Euro 6 & Euro 5 emission norms & requiring mid SAPS oils meeting MB 229.61.
- Modern passenger cars, SUVs, light vans & trucks powered by both gasoline and diesel engines requiring API SP & ACEA C2 SAE 0W-30 quality oils.

Note: This oil may not be suitable for older vehicles and where SAE 0W-30 / ACEA C2 grade is not recommended. Please consult Gulf representative in case of doubt.

### Specifications, Approvals & Typical Properties

Meets the following Specifications		0W-30
ACEA C2		X
MB 229.61		X
OPEL OV0401547		X
Has the following Approvals		
API SP, SN Plus		X
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity @ 100 °C, cSt	D 445	9.6
Viscosity Index	D 2270	200
Flash Point, °C	D 92	228
Pour Point, °C	D 97	-42
TBN, mg KOH/g	D 2896	9.3
Density @ 15°C, Kg/l	D 1298	0.845
Sulphated Ash, %wt	D 874	0.77
Sulfur, % wt	D 129 (ICP)	0.19
Phosphorus, % wt	D 4047 (ICP)	0.073

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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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