



## Gulf Formula CFE

### Catalyst Compatible Synthetic Passenger Car Motor Oil

#### Product Description

**Gulf Formula CFE** 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. It has been specially developed for all modern turbocharged, high output gasoline passenger cars, SUVs, light duty vehicles and diesel versions fitted with Diesel Particulate Filter. It provides exceptional cleaning power and wear protection and minimises deposits in engine & turbocharger leading to superior overall performance. It is approved against the latest Mercedes Benz specification MB 229.52.

#### Features & Benefits

- 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.
- A special additive technology makes it capable of providing fuel economy benefits
- 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 229.52 quality.
- Modern passenger cars, SUVs, light vans & trucks powered by both gasoline and diesel engines requiring API SN and ACEA C2/C3 quality oils.

#### Specifications, Approvals & Typical Properties

Meets the following Specifications	5W-30	
ACEA C2/C3	X	
API SN	X	
MB 229.51, 229.31	X	
PSA B71 2290, dexos 2™	X	
Has the following Approvals		
MB-Approval 229.52	X	
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity @ 100 °C, cSt	D 445	12.2
Viscosity Index	D 2270	125
Flash Point, °C	D 92	230
Pour Point, °C	D 97	-36
TBN, mg KOH/g	D 2896	7.1
Density @ 15°C, Kg/l	D 1298	0.88
Sulphated Ash, %wt	D 874	0.77
Phosphorus, %wt	D 4047/ICP	0.075

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Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

Gulf Oil International

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