



# Gulf Formula Elite

## Premium Catalyst Compatible Passenger Car Motor Oil

### Product Description

**Gulf Formula Elite** is a supreme performance fully synthetic catalyst compatible passenger car motor oil 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 is designed to provide the protection against Low Speed Pre-Ignition (LSPI) and timing chain wear issues generally observed in latest turbocharged Gasoline Direct Injection (GDI) engines. It also provides extended life & maintains efficiency of the after treatment devices of all modern gasoline and diesel light duty vehicles. Recommended for passenger car, SUV, light van and truck applications requiring ACEA C3 quality oils.

### Features & Benefits

- The special formula helps in protecting the engines from Low Speed Pre-Ignition (LSPI) and Timing chain wear issues observed in latest turbocharged Gasoline Direct Injection (GDI) engines
- Active cleaning agents reduces piston deposits and sludge build-up facilitating extended engine life
- 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 helps minimise soot related oil thickening and wear
- Latest mid SAPS additive technology minimises poisoning of TWC (Three Way Catalyst) and prolongs life of after treatment devices
- Excellent low temperature fluidity aids cold start and protects against wear at start-up

### Applications

- All gasoline and diesel engines meeting Euro 6 & Euro 5 emission norms & requiring mid SAPS oils meeting ACEA C3 performance level
- Modern passenger cars, SUVs, light vans & trucks powered by gasoline or diesel engines
- Suitable for high performance and high powered vehicles requiring such type of oils

### Specifications, Approvals & Typical Properties

Meets the following Specifications		0W-40	5W-30	5W-40
ACEA C3		X	X	X
Renault RN0700/ 0710		X	X	X
MB 229.31, OPEL OV0401547			X	X
Has the following Approvals				
API SQ, API SP, API SN PLUS		X	X	X
MB-Approval 229.51, MB-Approval 229.52		X	X	X
BMW Longlife-04			X	X
Typical Properties				
Test Parameters	ASTM Method	Typical Values		
Viscosity @ 100 °C, cSt	D 445	13.4	11.9	13.2
Viscosity Index	D 2270	212	195	204
Flash Point, °C	D 92	235	230	232
Pour Point, °C	D 97	-48	-42	-42
TBN, mg KOH/g	D 2896	9.5	9.3	9.6
Density @ 15°C, Kg/l	D 1298	0.845	0.852	0.852
Sulphated Ash, %wt	D 874	0.77	0.77	0.79
Phosphorus, %wt	D 4047/ICP	0.077	0.077	0.074
Sulphur, %wt	D 129	0.21	0.19	0.19

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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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