



# Gulf Formula ULE

## Catalyst Compatible Passenger Car Motor Oil

### Product Description

**Gulf Formula ULE series** are high performance, full synthetic, low emission passenger car motor oils meeting mid SAPS (Sulphated Ash, Phosphorous & Sulphur) requirements. These oils help in extending life and maintaining efficiency of the after-treatment devices in gasoline and diesel passenger cars. It provides exceptional cleaning power, wear protection and minimises deposits in engine & turbocharger leading to superior overall performance. It exceeds the requirements of specifications of leading car manufacturers like Daimler, VW, BMW and Porsche.

### Features & Benefits

- Mid SAPS additive technology prolongs life of exhaust after treatment devices like Three Way Catalyst (TWC) and Diesel Particulate Filter (DPF)
- Outstanding thermo-oxidative stability reduces oil degradation and enables extended drain intervals
- Excellent deposit and wear protection for superior performance together with fuel economy benefits
- Active cleaning agents reduces piston deposits and sludge build-up facilitating longer engine life
- Excellent low temperature property aids cold start and protects against wear at start-up

### Applications

- Gasoline and diesel engines in Mercedes Benz, Volkswagen, BMW, Porsche, GM, Ford, passenger vehicles meeting Euro 6 & prior emission norms and requiring oils of specifications mentioned in the table below
- SAE 5W-40 is approved against Porsche Engine Oil Category "Porsche A40" for use in all Porsche cars as of model year 1994, except Cayenne V6 for long drain and Cayenne Diesel
- Modern passenger cars, SUVs, light vans & trucks powered by gasoline/diesel engines requiring API SN/ ACEA C3 quality oils (SAE 5W-30 & SAE 5W-40)

### Specifications, Approvals & Typical Properties

Meets the following Specifications	0W-30	5W-30	5W-40	
ACEA C3		X	X	
MB 229.51	X			
BMW Longlife-04	X	X		
GM dexos2™, Volkswagen VW 505 00, 505 01		X		
Ford WSS-M2C917-A			X	
Has the following Approvals				
API SN		X	X	
MB-Approval 229.51			X	
Approved under VW Standard 505 00 and VW Standard 505 01, Porsche "A40" approval			X	
Typical Properties				
Test Parameters	ASTM Method	Typical Values		
Viscosity @ 100 °C, cSt	D 445	11.5	11.8	13.0
Viscosity Index	D 2270	170	167	174
Flash Point, °C	D 92	228	236	220
Pour Point, °C	D 97	-39	-39	-33
TBN, mg KOH/g	D 2896	7.4	7.3	7.4
Density @ 15°C, Kg/l	D 1298	0.847	0.842	0.850
Sulphated Ash, %wt	D 874	0.76	0.78	0.78
Phosphorus, %wt	D 4047/ICP	0.076	0.079	0.077
Sulphur, %wt	D 129	0.2	0.2	0.2

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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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