



# Gulf Formula CX

## Catalyst Compatible Passenger Car Motor Oil

### Product Description

**Gulf Formula CX** is a superior performance catalyst compatible, mid SAPS (Sulphated Ash, Phosphorous & Sulphur) passenger car motor oil for modern turbocharged, high output gasoline and diesel engines in passenger cars, SUVs, light vans and trucks. It provides exceptional cleaning power and wear protection and minimises deposits in engine & turbocharger leading to superior overall performance. It also provides protection against Low Speed Pre-Ignition (LSPI) and timing chain wear issues generally observed in latest turbocharged Gasoline Direct Injection (GDI) engines. The product meets the requirements of leading car manufacturers including Mercedes Benz and BMW and is suitable for applications requiring ACEA C2/C3, API SP/ API SN Plus quality oils.

### Features & Benefits

- Excellent deposit and wear protection for superior performance together with fuel economy benefits
- Latest mid SAPS additive technology prolongs life of exhaust after treatment devices such as Gasoline Particulate Filters (GPF) & Diesel Particulate Filters (DPF)
- 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
- Excellent low temperature fluidity aids cold start and protects against wear at start-up

### Applications

- Modern gasoline and diesel passenger cars, SUVs, light vans & trucks meeting Euro 6 & prior emission norms requiring ACEA C2/C3, API SP/ API SN Plus quality oils
- Gasoline and diesel engines in Mercedes Benz, BMW, Opel, Vauxhall passenger vehicles meeting Euro 6 & prior emission norms and requiring oils of specifications mentioned in the table below
- Also suitable for all diesel and gasoline cars of General Motors requiring GM dexos2™ quality oils

### Specifications, Approvals & Typical Properties

| Meets the following Specifications                 |                    | 5W-30          |
|--|--------------------|----------------|
| ACEA C2/C3, MB 229.31                              |                    | X              |
| Has the following Approvals                        |                    |                |
| API SP, SN PLUS                                    |                    | X              |
| MB-Approval 229.51/ 229.52, BMW Longlife-04        |                    | X              |
| Opel-Vauxhall OV 040 1547 - G30, OV 040 1547 - D30 |                    | X              |
| Typical Properties                                 |                    |                |
| Test Parameters                                    | ASTM Method        | Typical Values |
| Viscosity @ 100 °C, cSt                            | D 445              | 11.9           |
| Viscosity Index                                    | D 2270             | 168            |
| Flash Point, °C                                    | D 92               | 226            |
| Pour Point, °C                                     | D 97               | -42            |
| TBN, mg KOH/g                                      | D 2896             | 6.9            |
| Density @ 15°C, Kg/l                               | D 1298             | 0.853          |
| Sulphated Ash, %wt                                 | D 874              | 0.70           |
| Phosphorus, %mass                                  | D 4047/ICP         | 0.071          |
| HTHS viscosity, cP                                 | D 4683/ 4741/ 5481 | 3.55           |

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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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