



# Gulf Formula LVX

## Fully Synthetic Passenger Car Motor Oil

### Product Description

**Gulf Formula LVX** is an advanced fully synthetic passenger car motor oil which provides enhanced fuel economy benefits and outstanding protection against wear even with low viscosity. 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. This low friction engine oil is specially designed for use in Mercedes Benz and BMW passenger vehicles requiring latest MB 229.71, MB 229.72 and BMW LL-17 FE+ specification oils respectively apart from latest generation models of other vehicle manufacturers.

### Features & Benefits

- Advanced formulation with improved frictional properties provide enhanced fuel economy benefits
- It offers enhanced protection to emission control devices such as Diesel Particulate Filter (DPF) and Three Way Catalyst (TWC)
- Excellent antiwear technology provides superior wear protection even with the lower viscosity
- Its special formula helps in protecting the engines from LSPI and Timing chain wear issues usually encountered in latest turbocharged GDI engines
- Exceptional Stay-in-Grade performance ensures reliable lubrication even at higher loads
- Outstanding low temperature fluidity aids quick cold start and provides wear protection at start-up

### Applications

- Recommended for use in gasoline and diesel engines in Mercedes Benz passenger cars & vans requiring MB 229.71, MB 229.72 type oil and BMW gasoline engines requiring BMW LL-17 FE+ type oil (BMW LL-14 FE+ backward compatible)
- Suitable for new generation vehicles of Ford, Jaguar Land Rover, Opel-Vauxhall, Fiat and Chrysler
- Recommended for latest generation cars, sports cars and luxury vehicles requiring lower viscosity oils where ACEA C6, ACEA C5 oils are recommended

Note: These oils may be unsuitable for use in some engines requiring higher viscosity grade oils (consult owner's manual/ handbook).

### Specifications, Approvals & Typical Properties

| Meets the following Specifications  |                  | 0W-20          |
|---|------------------|----------------|
| ACEA C6, ACEA C5  |                  | X              |
| Ford WSS-M2C947-B1, Ford WSS-M2C962-A1  |                  | X              |
| Opel-Vauxhall OV0401547, Fiat 9.55535 GSX (meets requirements), Chrysler MS-12145 |                  | X              |
| Has the following Approvals   |                  |                |
| API SP (Resource Conserving), ILSAC GF-6A, API SN Plus                            |                  | X              |
| MB-Approval 229.71, MB-Approval 229.72  |                  | X              |
| BMW Longlife-17 FE+, Jaguar Land Rover ST JLR.03.5006                             |                  | X              |
| Typical Properties  |                  |                |
| Test Parameters   | ASTM Method      | Typical Values |
| Viscosity @ 100 °C, cSt   | D 445            | 8.2            |
| Viscosity Index   | D 2270           | 198            |
| Flash Point, °C   | D 92             | 190            |
| Pour Point, °C  | D 97             | -48            |
| Density @ 15°C, Kg/l  | D 1298           | 0.847          |
| Sulphated Ash, % wt   | D 874            | 0.77           |
| Sulfur, % wt  | D 129            | 0.2            |
| Phosphorus, % wt  | D 4047/ ICP      | 0.071          |
| HTHS Viscosity, cP  | D 4683/4741/5481 | 2.70           |

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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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