



## Gulf Ultrasynt GDI

### Fully Synthetic Resource Conserving Motor Oil

#### Product Description

**Gulf Ultrasynt GDI** series is most advanced passenger car motor oil specially developed for the most modern high output gasoline and turbocharged gasoline engines in passenger cars, sport utility vehicles, vans, and light-duty trucks. These are formulated with specially chosen additive and synthetic base stocks to provide protection to modern turbocharged direct injection gasoline engines from detrimental effects of possible low speed pre-ignition phenomenon and protect vehicle emission system & turbocharger components. Further, SAE 0W-20, 5W-20, 5W-30 and 10W-30 viscosity grades help in improving & retaining fuel economy. These oils provide excellent protection against wear, deposits & sludge build-up and help protect engines even while operating on ethanol-containing fuels up to E85. All the viscosity grades meet the highest API quality API SP and resource conserving grades SAE 0W-20, 5W-20, 5W-30 and 10W-30 meets ILSAC GF-6A.

#### Features & Benefits

- Latest additive technology coupled with synthetic base fluids makes these oils robust and provides improved sludge protection, piston cleanliness, turbo-charger protection, seal compatibility and wear protection.
- Compatible with ethanol-containing fuels up to E85. Also helps in emission system durability
- Provides excellent lubrication at low temperatures and protect engine at high temperatures.
- The special friction modifiers used in the Resource Conserving oils improve & retain fuel economy.
- Superior volatility characteristics reduce oil consumption and hydro-carbon pollution.
- These grades are compatible with conventional passenger car motor oils.
- These are specially formulated to provide Low Speed Pre-Ignition (LSPI) protection for modern turbocharged direct injection gasoline engines.

#### Applications

- North American, European & Japanese high output gasoline engines in passenger cars, sport utility vehicles, vans, and light-duty trucks where API SP, SN Plus, ILSAC GF-6A and / or API SN, API SM, API SL quality oils are specified (all grades).
- Passenger cars and Light Duty Vehicles running on gasoline and ethanol-containing fuels up to E85.
- Suitable for modern turbocharged direct injection gasoline engines where low speed pre-ignition protection is required.

#### Specifications, Approvals & Typical Properties

Has the Following Approvals		0W-20	5W-20	5W-30	5W-40	10W-30	10W-40
API SP (Resource Conserving), API SN Plus, API SN, ILSAC GF-6A		X	X	X		X	
API SP, API SN Plus, API SN					X		X
Typical Properties							
Test Parameters	ASTM Method	Typical Values					
Viscosity @ 100 °C, cSt	D 445	8.5	8.4	10.2	13.0	10.8	13.5
Viscosity Index	D 2270	166	161	163	174	151	154
Flash Point, °C	D 92	230	231	233	235	236	238
Pour Point, °C	D 97	-48	-48	-45	-42	-42	-42
TBN, mg KOH/g	D 2896	7.3	7.1	7.1	7.1	7.1	7.1
Density @ 15°C, Kg/l	D 1298	0.847	0.853	0.853	0.854	0.854	0.855
CCS, cP (at °C)	D 5293	5711 (-35)	5762 (-30)	5892 (-30)	6060 (-30)	4697 (-25)	5411 (-25)
MRV, cP (at °C)	D 4684	20100 (-40)	16900 (-35)	22300 (-35)	28400 (-35)	16700 (-30)	22600 (-30)
HTHS, cP	D 4683	2.62	2.70	3.10	3.70	4.1	3.8

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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.

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