



Gulf MAX

Passenger Car Motor Oil

Product Description

Gulf MAX is premium quality passenger car motor oil developed for modern, high-output, multi valve, turbocharged & supercharged gasoline powered passenger cars and diesel powered light duty vehicles. While all the grades are developed to exceed the performance requirements of API (American Petroleum Institute) SL, SAE 5W-30 is classified as energy conserving lubricants and exceed the performance and fuel economy requirements of ILSAC GF-3 specifications.

Features & Benefits

- Better thermo-oxidative stability minimises deposits & sludge build-up facilitating extended oil life
- Active cleaning agents provide engine cleanliness
- Superior antiwear technology minimises engine wear and thereby reduces maintenance cost
- Good low temperature fluidity assists in easy cold starts
- Excellent Stay-in-grade performance ensures reliable lubrication even at higher load & operating temperatures

Applications

- Recommended for high performance, multi valve, turbocharged & supercharged gasoline powered passenger cars and diesel powered light duty vehicles requiring API SL & API CF quality oils
- SAE 5W-30 is recommended for use in high performance gasoline powered passenger cars requiring ILSAC GF-3 quality oils
- SAE 30, 40 and 50 viscosity grades are recommended for use in older vehicles where use of single-grade motor oil of API SL or any previous "S" category is recommended.

Specifications, Approvals & Typical Properties

Meets the following Specifications		30	40	50	5W-30	10W-30	10W-40	15W-40	15W-50	20W-40	20W-50
API SL		X	X	X	X	X	X	X	X	X	X
API CF							X	X	X	X	X
ILSAC GF-3					X	X					
Has the following Approvals											
API SL		X	X	X	X	X	X	X	X	X	X
API SL, Energy Conserving					X						
Typical Properties											
Test Parameters	ASTM	Typical Values									
Viscosity @ 100 °C, cSt	D 445	10.7	14.4	18.2	10.80	11.10	14.40	14.60	18.30	14.10	18.40
Viscosity Index	D 2270	104	101	100	159	143	154	130	137	127	121
Flash Point, °C	D 92	252	266	270	224	218	224	224	228	224	226
Pour Point, °C	D 97	-18	-18	-18	-36	-39	-33	-27	-27	-27	-27
TBN, mg KOH/g	D 2896	7.0	7.0	7.0	6.60	6.60	6.80	7.40	7.40	7.40	7.80
Density@15°C, Kg/l	D 1298	0.882	0.885	0.887	0.849	0.858	0.885	0.893	0.889	0.898	0.896
Sulphated Ash, %wt	D 874	0.93	0.93	0.93	0.83	0.83	0.82	0.90	0.90	0.90	0.90

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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.

Gulf Oil International

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