



Product Bulletin

GULFPRIDE® ADVANCED FUEL EFFICIENT MOTOR OILS

Gulfpride® Advanced Fuel Efficient Motor Oils meet the latest API and ILSAC performance categories and provide a significant upgrade over previous API SL / ILSAC GF-3 engine oils. These new API SM / ILSAC GF-4 formulations offer considerable improvements in several key areas such as emissions system durability, initial and long-term fuel economy, oxidation protection, used oil pumpability, and piston cleanliness.

Gulfpride® Advanced Fuel Efficient Motor Oils are formulated with high quality base oils and an optimized additive system that includes enhanced friction modifier additives. These motor oils are formulated to meet the demands of the smaller, high-output gasoline engines and provide better fuel economy, help protect emissions systems, and improve overall engine oil life. 2004 and newer vehicles will especially benefit because of the increased emission system protection offered by ILSAC GF-4 formulations.

Gulfpride® Advanced Fuel Efficient Motor Oils provide the following:

- Increased fuel economy/energy conserving
- Improved cold weather starting and protection
- Better oxidation protection
- Reduced valve train wear
- Piston (ring) cleanliness and deposit control
- Low-temperature sludge control
- Used oil pumpability
- Emissions system protection

Gulfpride® Advanced Fuel Efficient Motor Oil SAE 5W-20 meets Ford's performance standards WSS-M2C930-A and WSS-M2C153-H. **SAE 5W-30** viscosity grade meets Ford's performance standard WSS-M2C929-A. All three viscosities are General Motors (GM) Engine Oil Specification 6094M registered products.

Gulfpride® Advanced Fuel Efficient Motor Oils are recommended for gasoline fueled passenger cars, light-duty trucks, vans, and SUVs (including turbocharged) requiring API SM / ILSAC GF-4 engine oil. They are suitable for use in vehicles requiring previous API Engine Oil Service Categories; SL, SJ, SH, SG, SF, and SE in respective viscosity grades.



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GULFPRIDE[®] Advanced Fuel Efficient Motor Oils

Typical Properties

SAE Grade		5W-20*	5W-30*	10W-30*
Product Code	Test Method	330132	330133	330136
API Service / ILSAC Category		SM / GF-4	SM / GF-4	SM / GF-4
Gravity, API	ASTM D-4052	34.2	33.2	31.1
Density, lbs/gal (g/L)	Calculated	7.111	7.13	7.247
Viscosity, cSt @ 40°C	ASTM D-445	46.8	62.7	68
Viscosity, cSt @ 100°C	ASTM D-445	8.4	10.6	10.9
Viscosity, SUS @ 100°F	ASTM D-2161	238	319	348
Viscosity, SUS @ 210°F	ASTM D-2161	54	62	62
Viscosity Index	ASTM D-2270	158	157	142
CCS, cP @ -30°C (-25°C)	ASTM D-5293	4000	6100	(5900)
MRV, cP @ -35°C (-30°C)	ASTM D-4598	20000	31000	(32000)
Pour Point, °F (°C)	ASTM D-5949	-43.6 (-42)	-49 (-45)	-38.2 (-39)
Flash Point, COC, °F (°C)	ASTM D-92	420 (216)	455 (235)	400 (204)
Color	ASTM D-1500	1.5	1.5	1.5
TBN	ASTM D-974	7.4	7.4	7.4
Sulfated Ash, mass %	ASTM D-874	0.85	0.85	0.85

*Energy Conserving

Note: Viscosity recommendations can vary with ambient temperatures and Original Equipment Manufacturer's (OEM's) requirements. Consult your owner's manual for the appropriate engine oil service category and viscosity grade.