



Product Bulletin



GULFPRIDE[®] MOTOR OILS

Gulfpride[®] Motor Oils are formulated from highly refined base oils and an advanced, thermally stable additive package designed to meet the lubricating demands and severe operating conditions in today's higher-revving, hotter running engines. These products meet or exceed the latest automotive manufacturer's requirements, including **API Performance Category SP** helping to protect against low speed pre-ignition (**LSPI**)¹ in turbocharged gasoline direct-injection engines (**TGDI**).

FEATURES AND BENEFITS:

Gulfpride[®] Motor Oils provide very good low temperature pumpability and lower phosphorus levels for improved emission system performance. In addition, they provide the following:

- Good anti-foaming characteristics and shear stability
- Resistance to thermal breakdown at high temperatures
- Excellent protection from engine sludge and varnish deposits
- Excellent anti-wear properties and bearing corrosion protection

APPLICATIONS:

Gulfpride[®] Motor Oil SAE 10W-40, 20W-50, 30 and 40 viscosity grades are recommended for use in gasoline engine applications where motor oils of a higher viscosity are desired, particularly in applications involving high temperatures and severe duty service such as hauling boats and camping trailers at sustained high speeds for long periods of time. **Gulfpride[®] Motor Oils** meet **API Service Category SP** which is specified in many new car owners' manuals but are also suitable for use in earlier model vehicles calling for **API service SN Plus, SN, SM and SJ** quality oils. In all cases, the car or engine manufacturer's lubricant recommendation for API performance category and SAE viscosity grade should be followed.

Typical Properties

| SAE Grade | Test Method | 10W-40 | 20W-50 | 30 | 40 |
|-----------------------------------------|-------------|------------|-------------|--------|--------|
| Product Code | | 330135 | 330137 | 330163 | 330164 |
| API Gravity, 60°F | ASTM D-4052 | 31.9 | 30.0 | 30.2 | 29.4 |
| Density, lbs/gal (g/L) | Calculated | 7.21 | 7.29 | 7.28 | 7.32 |
| Kinematic Viscosity, cSt @ 40°C, D-445 | ASTM D-445 | 112.0 | 155.0 | 89.5 | 130.0 |
| Kinematic Viscosity, cSt @ 100°C, D-445 | ASTM D-445 | 15.5 | 18.7 | 11.1 | 14.3 |
| Viscosity Index, calculated | ASTM D-2270 | 146 | 136 | 110 | 109 |
| Cold Cranking @ temp (°C) ,cP | ASTM D-5293 | 6300 @ -25 | 6,000 @ -15 | N/A | N/A |
| Color | ASTM D-1500 | L3.5 | L3.5 | L3.5 | L3.5 |
| Pour Point, (°F) | ASTM D-5949 | -33 | -22 | -11 | -7 |
| Flash Point, COC, (°F) | ASTM D-92 | 458 | 470 | 465 | 465 |
| Highest API Performance | | SP | SP | SP | SP |

**Note: Values shown are typical only and do not constitute a specification. Minor variations in product are to be expected in normal manufacturing. Always confirm with the original manufacturer's recommendation for proper equipment operating requirements.*

¹ *LSPI is a premature ignition of the air-fuel mixture in the combustion chamber. This low-speed pre-ignition is very violent and causes over pressurization of the combustion chamber that can lead to damage and failure of the piston, rings, valves, and other internal components.*

AVAILABILITY:

Gulfpride[®] Motor Oils are available throughout Gulf's marketing area. Your Gulf representative can provide specific information or visit www.Nu-tierbrands.com.

NU-TIER BRANDS, INC.

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