



**YOU GET OUT  
WHAT YOU  
PUT IN.** 

## **GT-1<sup>®</sup> High Performance Motor Oil with LiquiTek<sup>®</sup>**

Kendall<sup>®</sup> GT-1 High Performance Motor Oil with LiquiTek is a high quality, part-synthetic automotive engine oil designed to provide excellent engine protection for both turbocharged gasoline direct injection, conventional gasoline-fueled and flex-fueled passenger cars and light trucks under all operating conditions.

GT-1 High Performance Motor Oil with LiquiTek is formulated with a blend of synthetic and conventional base stocks and an exclusive performance additive package. The part-synthetic formulation provides increased oxidation resistance and thermal stability at high temperatures and better pumpability at low temperatures compared with conventional engine oils, for extra protection under all driving conditions. Our LiquiTek additive package provides increased engine protection by providing increased engine cleanliness and reduced wear. Reduced friction also helps improve fuel economy performance beyond ILSAC GF-6 requirements.

GT-1 High Performance Motor Oil with LiquiTek (except SAE 10W-40 and SAE 20W-50) exceeds new car warranty requirements as defined by ILSAC GF-6A. It is uniquely formulated to help combat low speed pre-ignition (LSPI) in turbocharged gasoline direct injection engines. GT-1 High Performance Motor Oil with LiquiTek meets or exceeds "Resource Conserving" requirements for fuel economy improvement, emission system and turbocharger protection, and protection of engines operating on ethanol-containing fuels up to E85. It is backward serviceable for use where API SN or earlier "S" category engine oils are recommended.

### **Applications**

- Turbocharged gasoline direct-injection, conventional gasoline-fueled and flex-fuel passenger cars, light trucks and sport utility vehicles, including gasoline-electric hybrids, especially when operating under severe conditions
- Four-stroke cycle gasoline engines in other mobile or stationary equipment

GT-1 High Performance Motor Oil with LiquiTek is licensed for:

- ILSAC GF-6A (except SAE 10W-40 and 20W-50)
- API Service SP, SN PLUS with Resource Conserving (except SAE 10W-40 and SAE 20W-50 which are API SP, SN PLUS only)

GT-1 High Performance Motor Oil with LiquiTek meets or exceeds the requirements of:

- Chrysler MS-6395
- Ford WSS-M2C960-A1 (SAE 5W-20)
- Ford WSS-M2C961-A1 (SAE 5W-30)
- Ford WSS-M2C962-A1 (SAE 0W-20)
- GM6094M (obsolete specification)

**Premium  
Synthetic Blend  
Passenger Car  
Engine Oil;  
Formulated with  
LiquiTek**



## Features/Benefits

- Helps protect against low speed pre-ignition (LSPI) in turbocharged gasoline direct-injection engines (TGDI)
- Meets ILSAC GF-6A requirements for new cars under warranty (except SAE 10W-40 & 20W-50)
- Part-synthetic formulation provides enhanced protection against deposit formation and oil thickening, compared with conventional engine oils
- Protects against rust and bearing corrosion
- Low volatility for reduced oil consumption
- Excellent low-temperature pumpability for protection during cold starts
- Highly resistant to foaming
- Helps maximize engine performance and minimize exhaust smoke
- Formulated to protect turbochargers and emissions control system catalysts
- Formulated for use in vehicles operating on ethanol-containing fuels up to E85

## GT-1® High Performance Motor Oil with LiquiTek®

| Typical Properties                         |           |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|-----------|
| SAE Grade                                  | 0W-20     | 5W-20     | 5W-30     | 10W-30    | 10W-40    | 20W-50    |
| Specific Gravity @ 60°F                    | 0.848     | 0.862     | 0.862     | 0.866     | 0.869     | 0.881     |
| Density, lbs/gal @ 60°F                    | 7.07      | 7.19      | 7.19      | 7.21      | 7.25      | 7.35      |
| Color, ASTM D1500                          | 3.0       | 3.0       | 3.0       | 3.0       | 3.0       | 3.5       |
| Flash Point (COC), °C (°F)                 | 218 (424) | 218 (424) | 216 (421) | 229 (444) | 227 (440) | 230 (446) |
| Pour Point, °C (°F)                        | -34 (-29) | -30 (-22) | -30 (-22) | -30 (-22) | -30 (-22) | -30 (-22) |
| Viscosity, Kinematic                       |           |           |           |           |           |           |
| cSt @ 40°C                                 | 46.0      | 51.3      | 68.0      | 65.1      | 112       | 181       |
| cSt @ 100°C                                | 8.8       | 8.8       | 11.2      | 10.4      | 16.0      | 19.2      |
| Viscosity Index                            | 174       | 152       | 159       | 148       | 153       | 127       |
| Cold Cranking Viscosity, cP                | 5,600     | 5,600     | 6,000     | 4,900     | 6,100     | 7,500     |
| @ (°C)                                     | (-35)     | (-30)     | (-30)     | (-25)     | (-25)     | (-15)     |
| High-Temp/High-Shear Viscosity, cP @ 150°C | 2.6       | 2.6       | 3.1       | 3.0       | 4.1       | 4.9       |
| Sulfated Ash, ASTM D874, wt %              | 0.8       | 0.8       | 0.8       | 0.8       | 0.8       | 0.8       |
| Total Base Number (TBN), ASTM D2896        | 7.0       | 7.0       | 7.0       | 7.0       | 7.0       | 7.0       |
| Phosphorus, wt %                           | 0.077     | 0.077     | 0.077     | 0.077     | 0.077     | 0.077     |
| Zinc, wt %                                 | 0.085     | 0.085     | 0.085     | 0.085     | 0.085     | 0.085     |

## Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/SDS>.

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Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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