



**THE  
GOOD  
STUFF**

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

Kendall<sup>®</sup> GT-1 High Performance Motor Oil with Liquid Titanium protection additive is a premium quality, part-synthetic automotive engine oil designed to provide excellent engine protection for gasoline-fueled and flex-fuel passenger cars and light trucks under all operating conditions.

GT-1 High Performance Motor Oil with Liquid Titanium is formulated with a blend of synthetic and conventional base stocks and a performance additive package fortified with our exclusive Liquid Titanium protection additive for extra wear protection and improved fuel savings. The part-synthetic formulation provides enhanced 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. The Liquid Titanium protection additive provides increased engine protection by forming a strongly bonded titanium shield on the surface of critical engine parts, which reduces friction and wear and can help extend engine life. Reduced friction also helps improve fuel economy performance beyond ILSAC GF-5 requirements.

GT-1 High Performance Motor Oil with Liquid Titanium (except SAE 10W-40) exceeds new car warranty requirements as defined by ILSAC GF-5. It 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 SM or earlier "S" category engine oils are recommended.

### **Applications**

- Gasoline-fueled and flex-fuel passenger cars, light trucks and sport utility vehicles, including gasoline-electric hybrids
- Four-stroke cycle gasoline engines in other mobile or stationary equipment

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

- ILSAC GF-5 (except SAE 10W-40)
- API Service SN with Resource Conserving (except SAE 10W-40 which is API SN only)

**Premium  
Synthetic Blend  
Passenger Car  
Engine Oil;  
Fortified with  
Liquid Titanium  
Protection  
Additive**



## Features/Benefits

GT-1<sup>®</sup> High Performance Motor Oil with Liquid Titanium<sup>®</sup> meets or exceeds the requirements of:

- Chrysler MS-6395
- Ford WSS-M2C945-A (SAE 5W-20)
- Ford WSS-M2C946-A (SAE 5W-30)
- Ford WSS-M2C947-A (SAE 0W-20)
- GM6094M (obsolete specification)

## GT-1 High Performance Motor Oil with Liquid Titanium

Typical Properties					
SAE Grade	0W-20	5W-20	5W-30	10W-30	10W-40
Specific Gravity @ 60°F	0.849	0.862	0.861	0.866	0.869
Density, lbs/gal @ 60°F	7.07	7.18	7.17	7.21	7.24
Color, ASTM D1500	3.0	3.0	3.0	3.0	3.0
Flash Point (COC), °C (°F)	218 (424)	218 (424)	216 (421)	229 (444)	227 (440)
Pour Point, °C (°F)	-41 (-42)	-39 (-38)	-39 (-38)	-39 (-38)	-39 (-38)
Viscosity, Kinematic					
cSt @ 40°C	46.0	49.9	66.2	65.7	106
cSt @ 100°C	8.8	8.6	11.0	10.5	15.8
Viscosity Index	174	150	158	148	150
Cold Cranking Viscosity, cP	5,400	6,150	6,150	4,550	6200
@ (°C)	(-35)	(-30)	(-30)	(-25)	(-25)
High-Temp/High-Shear Viscosity, cP @ 150°C	2.6	2.6	3.1	3.0	3.8
Sulfated Ash, ASTM D874, wt %	0.96	0.96	0.96	0.96	0.96
Total Base Number (TBN), ASTM D2896	8.0	8.0	8.0	8.0	8.0
Phosphorus, wt %	0.077	0.077	0.077	0.077	0.077
Titanium, wt %	0.010	0.010	0.010	0.010	0.010
Zinc, wt %	0.085	0.085	0.085	0.085	0.85

## Health Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://3apps.phillips66.com/NetMSDS>.

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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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