



GT-1® Full Synthetic Motor Oil with Liquid Titanium®

Kendall® GT-1 Full Synthetic Motor Oil with Liquid Titanium protection additive is a premium quality, full-synthetic engine oil designed to provide maximum protection for gasoline-fueled and flex-fuel passenger cars and light trucks under all operating conditions. It is particularly recommended for vehicles operating at extreme temperatures or under severe driving conditions, such as towing heavy loads.

GT-1 Full Synthetic with Liquid Titanium is formulated with synthetic base stocks and a performance additive package fortified with our exclusive Liquid Titanium protection additive for extra protection against engine wear and improved fuel savings. The synthetic base stocks provide enhanced performance benefits compared with conventional engine oils. These benefits include improved protection against viscosity breakdown and deposit formation at high temperatures; lower volatility for reduced oil consumption; and faster oil circulation at low temperatures for easier starting and better protection during cold starts. Our 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 helps extend engine life. Reduced friction also helps improve fuel economy performance beyond ILSAC GF-5 requirements.

GT-1 Full Synthetic with Liquid Titanium exceeds new car warranty requirements as defined by ILSAC GF-5. It is "Resource Conserving" for improved fuel economy, protection of emissions system catalysts and turbochargers, and protection of engines operating on ethanol-containing fuels up to E85. The SAE 5W-30 grade also is suitable for use in GM vehicles where the OEM specifies dexos1™ quality oil.

Applications

- Gasoline-fueled and flex-fuel passenger cars, light trucks and sport utility vehicles, especially when operating under severe conditions
- Gasoline-electric hybrids where the OEM specifies SAE 0W-20 or 5W-20 engine oil
- GM vehicles where the OEM specifies dexos1™ quality oil (SAE 5W-30 only)

**Premium
Full-Synthetic
Passenger Car
Engine Oil;
Fortified With
Liquid Titanium®
Protection Additive**



**U.S. Customer
Service:**

1-800-368-7128

Technical Hot Line:

1-877-445-9198

**International
Customer Service:**

1-832-486-3363

E-mail address:

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GT-1 Full Synthetic with Liquid Titanium meets or exceeds the requirements of:

- ILSAC GF-5
- API Service SN with Resource Conserving
- Chrysler MS-6395 (Rev. T) (SAE 5W-20, 5W-30, 10W-30)
- Ford WSS-M2C945-A (SAE 5W-20), WSS-M2C946-A (SAE 5W-30)
- GM4718M (obsolete) (SAE 5W-30 only), GM6094M (obsolete)

Features/Benefits

- Exceeds ILSAC GF-5 requirements for new cars under warranty
- Full-synthetic formulation provides enhanced performance benefits compared with conventional engine oils
- Exclusive Liquid Titanium® protection additive provides extra protection against engine wear and improved fuel economy
- Outstanding resistance to viscosity and thermal breakdown at high temperatures
- Protects against sludge and varnish formation
- 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
- Formulated to protect turbochargers and emissions control system catalysts
- Formulated for use in vehicles operating on ethanol-containing fuels up to E85

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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Typical Properties				
SAE Grade	0W-20	5W-20	5W-30	10W-30
Specific Gravity @ 60°F	0.852	0.852	0.852	0.854
Density, lbs/gal @ 60°F	7.09	7.09	7.10	7.11
Color, ASTM D1500	3.0	3.0	3.0	3.0
Flash Point (COC), °C (°F)	229 (444)	229 (444)	235 (455)	232 (450)
Pour Point, °C (°F)	<-45 (<-49)	<-45 (<-49)	<-45 (<-49)	<-45 (<-49)
Viscosity, Kinematic				
cSt @ 40°C	43.0	44.0	63.0	58.0
cSt @ 100°C	8.2	8.2	11.1	9.9
Viscosity Index	171	166	167	154
Cold Cranking Viscosity, cP	5,300	4,000	4,900	3,700
@ (°C)	(-35)	(-30)	(-30)	(-25)
High Temp/High Shear Viscosity, cP @ 150°C	2.6	2.6	3.0	3.1
Sulfated Ash, ASTM D874, wt %	1.0	1.0	1.0	1.0
Total Base Number (TBN), ASTM D2896	8.6	8.6	8.6	8.6
Phosphorus, wt %	0.077	0.077	0.077	0.077
Titanium, wt %	0.010	0.010	0.010	0.010
Zinc, wt %	0.085	0.085	0.085	0.085

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

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