

GT-1[®] Diesel Motor Oil with Liquid Titanium[®]

Kendall[®] GT-1 Diesel Motor Oil with Liquid Titanium protection additive is a premium quality, part-synthetic engine oil designed primarily for use in light-duty, four-stroke cycle diesel engines in passenger cars, light trucks and sport utility vehicles. It also is recommended for use in heavy-duty diesel engines and in gasoline-fueled vehicles where an SAE 15W-40 engine oil is specified.

GT-1 Diesel Motor Oil with Liquid Titanium is formulated with a blend of synthetic and conventional base stocks and a low-SAPS additive package to provide outstanding engine protection while also protecting exhaust aftertreatment devices. It is fortified with our exclusive Liquid Titanium protection additive for extra protection against engine wear. This additive enhancement 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.

GT-1 Diesel Motor Oil with Liquid Titanium provides excellent resistance to viscosity and thermal breakdown at high temperatures and in severe service, such as towing or hauling heavy loads. It has excellent soot dispersancy to protect against abrasive wear and soot-induced oil thickening, protects against sludge and varnish formation, and provides excellent bearing corrosion protection. 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.

GT-1 Diesel Motor Oil with Liquid Titanium meets the performance requirements of API Service Category CJ-4 for use in diesel engines equipped with exhaust aftertreatment devices, such as diesel particulate filters (DPFs) and diesel oxidation catalysts (DOCs). It also will provide excellent protection in older diesel engines where API CI-4/CI-4 PLUS or earlier "C" category engine oils are specified.

Applications

- Passenger cars, light trucks and sport utility vehicles with diesel engines
- On-highway diesel trucks and off-highway diesel equipment
- Gasoline-fueled vehicles where an SAE 15W-40 engine oil is specified

**Premium
Synthetic Blend
Engine Oil For
Light-Duty
Diesel Engines;
Fortified With
Liquid Titanium[®]
Protection
Additive**



CONTACT INFORMATION

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

- API Service CJ-4, CI-4 with CI-4 PLUS, CI-4, CH-4, SN

GT-1 Diesel Motor Oil with Liquid Titanium meets or exceeds the requirements of:

- ACEA A3-02, B3-98
- Chrysler MS-10902
- Ford WSS-M2C171-E

Features/Benefits

- Part-synthetic formulation provides enhanced performance benefits compared with conventional engine oils
- Exclusive Liquid Titanium® protection additive provides extra protection against engine wear
- Outstanding soot control for protection against abrasive wear and soot-induced oil thickening
- Excellent 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 exhaust aftertreatment devices

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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GT-1® Diesel Motor Oil with Liquid Titanium®**Typical Properties**

SAE Grade	15W-40
Specific Gravity @ 60°F	0.877
Density, lbs/gal @ 60°F	7.30
Color, ASTM D1500	4.0
Flash Point (COC), °C (°F)	229 (444)
Pour Point, °C (°F)	-40 (-40)
Viscosity, Kinematic	
cSt @ 40°C	117
cSt @ 100°C	15.3
Viscosity Index	137
Cold Cranking Viscosity, cP @ -20°C	6,400
High-Temp/High-Shear Viscosity, cP @ 150°C	4.4
Sulfated Ash, ASTM D874, wt %	0.95
Total Base Number (TBN), ASTM D2896	9.5
Titanium, wt %	0.010
Zinc, wt %	0.126

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3apps.phillips66.com/NetMSDS>.