



GT-1® High Performance Motor Oil

Kendall GT-1 High Performance Motor Oil is a high-quality engine oil specially designed for use in gasoline engines operating under high-temperature or severe driving conditions, as well as in competition engines and high-performance street engines. It is formulated to provide excellent wear protection, including protection of turbocharger bearings in high-performance engines; to minimize the formation of sludge and varnish; and to resist viscosity and thermal breakdown under all driving conditions. It also protects against rust and corrosion, and has good foam resistance.

Applications

GT-1 High Performance Motor Oil is recommended for use in passenger cars, light trucks and sport utility vehicles that do not require an ILSAC GF-4 oil for warranty coverage, as well as in competition engines and high-performance street engines. The SAE 20W-50 and 50 viscosity grades are fortified to provide extra wear protection and foam resistance for use in racing applications. The Nitro 70 grade is specially formulated for use in nitromethane-fueled drag racing vehicles. The SAE 30 and 40 viscosity grades are recommended for use in older vehicles where use of single-grade motor oil is specified.

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

- API Service SM, SL (all grades except SAE 50 & Nitro 70)

Features/Benefits

- Excellent resistance to viscosity and thermal breakdown at high temperatures
- Protects against sludge and varnish formation
- Excellent wear protection
- Protects against rust and bearing corrosion
- Good foam resistance
- Formulated for engines equipped with turbochargers or superchargers
- Racetrack-proven performance

**Engine Oils For
Passenger Cars And
Competition
Engines**

**Customer Service
Number:
1-800-368-7128**

**Technical Hot Line:
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Kendall™

GT-1® High Performance Motor Oil

Typical Properties

SAE Grade	10W-40	20W-50
Density, g/cm ³ @ 15.6°C (60°F)	0.873	0.883
Density, lbs/gal @ 15.6°C (60°F)	7.27	7.35
Color, ASTM D1500	3.0	3.5
Flash Point (COC), °C (°F)	227 (441)	230 (446)
Pour Point, °C (°F)	-33 (-27)	-30 (-22)
Viscosity,		
cSt @ 40°C	108	175
cSt @ 100°C	15.3	18.6
SUS @ 100°F	559	913
SUS @ 210°F	81.9	94.9
Viscosity Index	150	120
Cold Cranking Viscosity, cP	6,600	9,100
@ (°C)	(-25)	(-15)
High-Temp/High-Shear Viscosity, cP @ 150°C	3.9	4.8
Sulfated Ash, ASTM D874, wt %	0.94	1.03
Total Base Number (TBN), ASTM D2896	7.8	8.6
Phosphorus, wt %	0.077	0.085
Zinc, wt %	0.085	0.094

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GT-1® High Performance Motor Oil
Typical Properties

SAE Grade	30	40	50	Nitro 70
Density, g/cm ³ @ 15.6°C (60°F)	0.879	0.881	0.886	0.890
Density, lbs/gal @ 15.6°C (60°F)	7.32	7.34	7.38	7.41
Color, ASTM D1500	3.5	3.5	4.0	4.0
Flash Point (COC), °C (°F)	250 (482)	260 (500)	270 (518)	230 (446)
Pour Point, °C (°F)	-30 (-22)	-30 (-22)	-30 (-22)	-9 (16)
Viscosity,				
cSt @ 40°C	95.0	131	204	380
cSt @ 100°C	11.2	13.8	18.5	30.7
SUS @ 100°F	494	685	1,075	2,010
SUS @ 210°F	64.6	74.8	94.6	150
Viscosity Index	102	101	100	113
High-Temp/High-Shear Viscosity, cP @ 150°C	3.4	4.0	5.1	5.0
Sulfated Ash, ASTM D874, wt %	1.03	1.03	1.03	1.70
Total Base Number (TBN), ASTM D2896	8.6	8.6	8.6	15
Phosphorus, wt %	0.085	0.085	0.085	0.234
Zinc, wt %	0.094	0.094	0.094	0.259

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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