



GT-1® Full Synthetic Motor Oil

Kendall GT-1 Full Synthetic Motor Oil is a premium quality, full-synthetic engine oil designed to provide maximum protection for passenger cars, light trucks and sport utility vehicles operating under severe driving and/or extreme temperature conditions. It also will provide outstanding engine protection in normal everyday service. The full-synthetic formulation provides enhanced performance benefits compared with conventional engine oils, including better oxidation resistance and thermal stability at high temperatures for improved protection against viscosity breakdown and deposit formation; lower volatility for reduced oil consumption; and better low-temperature pumpability for easier starting and faster oil circulation at low temperatures. This oil also exceeds U.S. and Japanese (JASO) requirements for valve train wear protection.

GT-1 Full Synthetic Motor Oils SAE 5W-20, 5W-30 and 10W-30 exceed new car warranty requirements as defined by ILSAC GF-4. They are "Energy Conserving" for improved fuel economy and are specially formulated to help protect and extend the service life of emissions control system catalysts. The SAE 5W-40 viscosity grade is approved for service fill in European vehicles that require ACEA A3, B3 or B4 quality oils.

Applications

GT-1 Full Synthetic Motor Oil is recommended for use in passenger cars, vans, light trucks and sport utility vehicles operating under severe driving conditions, as well as in normal everyday service. The SAE 5W-20, 5W-30 and 10W-30 viscosity grades exceed new car warranty requirements as defined by ILSAC GF-4. The SAE 5W-40 viscosity grade is fully approved for service fill according to BMW Longlife-98, Mercedes-Benz Sheet 229.3, Porsche and VW 505.00/502.00 specifications.

GT-1 Full Synthetic Motor Oils SAE 5W-20, 5W-30 and 10W-30 meet or exceed the requirements of:

- API Service SM, SL, CF
- Energy Conserving, ILSAC GF-4
- DaimlerChrysler MS-6395N, MS-6395L
- Ford WSS-M2C930-A (SAE 5W-20), WSS-M2C929-A (SAE 5W-30), WSS-M2C205-A (SAE 10W-30)
- GM 6094M

Premium
Full-Synthetic
Passenger Car
Engine Oil

Customer Service
Number:
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Technical
Hot Line:
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GT-1 Full Synthetic Motor Oil SAE 5W-40 meets or exceeds the requirements of:

- API Service SL, SJ, CF
- ACEA A3-02, B3-98, B4-02
- BMW Longlife-98 Oil
- Mercedes-Benz Sheet 229.3
- Porsche automobiles (except Cayenne V6)
- Volkswagen 505.00, 502.00, 500.00

Features/Benefits

- Exceeds ILSAC GF-4 requirements for new cars under warranty (SAE 5W-20, 5W-30, 10W-30)
- Friction-modified for improved fuel economy (SAE 5W-20, 5W-30, 10W-30)
- Formulated to help protect vehicle emissions control system catalysts (SAE 5W-20, 5W-30, 10W-30)
- Outstanding resistance to viscosity and thermal breakdown at high temperatures
- Protects against sludge and varnish formation
- Excellent wear protection
- Protects against rust and bearing corrosion
- Low volatility for reduced oil consumption
- Outstanding low-temperature pumpability for protection during cold starts
- Good foam resistance

Due to continual product research and development, the information contained herein is subject to change without notification.

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GT-1® Full Synthetic Motor Oil
Typical Properties

SAE Grade	5W-20	5W-30	5W-40	10W-30
Density, g/cm ³ @ 15.6°C (60°F)	0.852	0.853	0.846	0.854
Density, lbs/gal @ 15.6°C (60°F)	7.09	7.10	7.04	7.11
Color, ASTM D1500	3.0	3.0	2.0	3.0
Flash Point (COC), °C (°F)	229 (444)	235 (455)	232 (450)	232 (450)
Pour Point, °C (°F)	-42 (-44)	-42 (-44)	-46 (-51)	-42 (-44)
Viscosity,				
cSt @ 40°C	45.9	60.0	84.5	63.0
cSt @ 100°C	8.3	10.5	14.3	10.4
SUS @ 100°F	233	305	429	321
SUS @ 210°F	54.0	61.9	76.5	61.5
Viscosity Index	159	166	175	154
Cold-Cranking Viscosity, cP	4,000	4,250	6,050	3,100
@ (°C)	(-30)	(-30)	(-30)	(-25)
High-Temp/High-Shear Viscosity, cP @ 150°C	2.7	3.0	3.8	3.1
Sulfated Ash, ASTM D874, wt %	0.97	0.97	1.18	0.97
Total Base Number (TBN), ASTM D2896	8.1	8.1	10.1	8.1
Phosphorus, wt %	0.077	0.077	0.093	0.077
Zinc, wt %	0.086	0.086	0.105	0.086

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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