76 Lubricants Company
A DIVISION OF TOSCO CORPORATION

Product Application Sheet

76 Pure Synthetic Motor Oil

PREMIUM FULL SYNTHETIC PASSENGER CAR MOTOR OIL

76 Pure Synthetic Motor Oil 5W-40 is a premium quality full synthetic multigrade engine oil designed for use in passenger cars, vans, light trucks, and sports utility vehicles operating under severe driving and/or extreme temperature conditions. Compared to conventional motor oils, it provides improved engine cleanliness and high temperature deposit protection as well as reduced oil consumption and exceptional cold flow properties. It provides excellent performance in engines operating under severe driving conditions such as stop-and-go driving and in everyday normal service.

76 Pure Synthetic Motor Oil meets or exceeds a wide range of North American and European performance requirements, including API SL/CF and ACEA A3/B3/B4. It is fully approved for service fill according to BMW, Mercedes-Benz 229.3, Porsche, and VW 502/505 specifications.

TYPICAL APPLICATIONS

Luxury and high performance automobiles.

Passenger cars, vans, light trucks, and sports utility vehicles under all operating conditions.

Delivery trucks and pickup trucks in stop-and-go service or door-to-door delivery.

Diesel-fueled passenger cars and light trucks calling for API CF or CD quality oils.

Earlier model vehicles calling for API SJ/CF, SH/CD, SG/CD, or SF/CD quality oils.

Gasoline engines equipped with turbochargers or superchargers.

Gasoline-powered equipment operating under low or widely varying ambient temperatures.

RECOMMENDED FOR:

API Service SL/CF
ACEA A3, B3, B4
CCMC G-5, PD-2
BMW High Performance Synthetic Oil (U.S.), BMW Longlife Oil (outside U.S.)
Mercedes-Benz Sheet 229.3, 229.1
Porsche
Volkswagen 505, 502, 500

OUTSTANDING FEATURES

- Resists viscosity and thermal breakdown at high temperatures, even in severe service
- High dispersancy-detergency protects against engine sludge and varnish deposits
- High TBN for extra protection for longer and/or more severe service intervals
- Outstanding protection against scuffing and wear
- Excellent rust and corrosion protection
- Excellent shear stability
- Exceptional low temperature fluidity for easier start-up and oil pumpability at low ambient temperatures
- Exceptionally low volatility and evaporative losses for reduced oil consumption
- Good foam resistance
- Meets JASO valve train wear requirements

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DESCRIPTION

76 Pure Synthetic Motor Oil is formulated with high quality synthetic base oils plus a carefully balanced additive package designed to protect automotive engines under normal or severe driving conditions. It provides superior sludge and deposit control at both high and low temperatures plus outstanding oxidation resistance and wear protection. The synthetic base oil has excellent thermal stability and low volatility at elevated temperatures for reduced oil consumption, and provides outstanding low temperature properties to assure oil pumpability and faster engine starting at extremely low ambient temperatures.

76 Pure Synthetic Motor Oil resists viscosity and thermal breakdown at high temperatures, even under severe engine operating conditions. It has high dispersancy-detergency to protect against engine sludge and varnish formation, promoting long engine life. Rust and corrosion protection is provided during engine shutdown periods and during the critical start-up and engine warm-up periods. Antiwear additives protect against scuffing and wear. A foam inhibitor prevents excessive foam buildup that can interfere with proper lubrication.

TYPICAL INSPECTION TESTS:

SAE Grade	5W-40
API Service	SL/CF
Product Code	33850
Density, g/cm^3 @ 15^{o}C	0.846
Color, ASTM	2.0
Flash Point, COC, ^{o}C (^{o}F)	232 (450)
Pour Point, ^{o}C (^{o}F)	-46 (-51)
Viscosity	
cSt @ 40^{o}C	84.5
cSt @ 100^{o}C	14.3
SUS @ 100^{o}F	429
SUS @ 210^{o}F	76.5
Viscosity Index	175
Viscosity, Cold Cranking (CCS), cP @ ^{o}C	6,060 (-30)
Viscosity, High Shear (HTHS), cP @ 150^{o}C	3.8
Ash, Sulfated, ASTM D874, wt %	1.10
Copper Corrosion, ASTM D130	1A
Foam Test, ASTM D892	Pass
Total Base Number, ASTM D2896	10.1
Phosphorus, wt %	0.093
Zinc, wt %	0.105