



MINNOCO Full Synthetic Motor Oil 5W-20

Product #962

API SN-RC/ILSAC GF-5



Available in 5 Gal, 55 Gal, Bulk

Size	Product Code
5 Gal	962-05
55 Gal	962-55
Bulk	962-Bulk

MINNOCO Full Synthetic Motor Oil 5W-20 is an advanced engine oil for vehicles operating under severe driving and temperature conditions. MINNOCO Full Synthetic Motor Oil 5W-20 is formulated with premium synthetic base oils and a high performance additive package for prolonging the life of your engine. The synthetic oil flows easily at cold temperature start-ups, preventing wear to critical parts, while the low friction additives help improve overall fuel economy.

MINNOCO Full Synthetic Motor Oil 5W-20 was developed for turbo-charged and high RPM engines that experience high heat. It provides exceptional engine protection in gasoline-fueled and flex-fueled passenger cars, light trucks, powerboats, and other stationary equipment. It can be used in virtually all services for domestic and foreign gasoline engines, and is compatible with all other synthetic and petroleum based engine oils.

MINNOCO Full Synthetic Motor Oil provides benefits over conventional oils such as improved engine cleanliness, high temperature deposit control, decreased oil consumption and better fuel economy. The synthetic formula provides improved oxidation resistance and thermal stability at high temperatures. MINNOCO Full Synthetic Motor Oil provides excellent protection against wear, sludge, varnish and corrosion.

MINNOCO Full Synthetic Motor Oil 5W-20, is licensed to meet or exceed the latest automotive manufacturers' requirements API SN and SN-RC (Resource Conserving) and ILSAC GF-5 standards.

Features & Benefits

- Contains low friction additives for excellent fuel economy
- Exceeds ILSAC GF-5 Standards and API Service SN-RC (Resource Conserving)
- Protects the engine from deposits at all operating temperatures
- Flows easily at colder temperatures
- Protects engine from wear, bearing corrosion, rust
- Excellent volatility for low oil consumption
- Advanced varnish & sludge protection, anti-foaming formula
- Superior thermal and oxidation stability at high temperatures

Please see page 2 for Applications and Typical Properties.

MSSA/Minnoco

2886 Middle Street, Little Canada, MN 55117

Ph: 651-487-1983 • Fax: 651-487-2447

e-mail: admin@mnsa.com



MINNOCO Full Synthetic Motor Oil 5W-20

Product #962

API SN-RC/ILSAC GF-5

APPLICATIONS

MINNOCO Full Synthetic Motor Oil is available in 2 multi-viscosity grades to comply with most passenger car and light duty truck engine applications, including turbo-charged engines. Follow equipment manufacturer recommendations for specific applications.

MINNOCO Full Synthetic Motor Oils 0W-20, 5W-20, meet or exceed the current and previous API service classifications: API SN, SM, SL, SJ, SH, SG, SF and ILSAC GF-5, GF-4, GF-3, GF-2 & GF-1.

MINNOCO Full Synthetic Motor Oil is recommended for the following uses:

- When former MIL-L-46152D oils performance level is required
- When GM 6094M is specified
- When Ford M2C153H, M2C930-A (5W-20) is specified
- When DaimlerChrysler MS10797 (5W-20), MS6395M is specified
- In gasoline engines and turbo-charged engines

For GM Vehicles model years 2011 and after, see our MINNOCO dexos1™ Full Synthetic Motor Oil.

MINNOCO SYNTHETIC ENGINE OIL TYPICAL PROPERTIES

SAE GRADE	0W-20	5W-20
Density, lb/gal	7.1	7.2
API Gravity	35.52	34.95
Cold Crank Simulation, mPa/s	6100	3900
Viscosity @ 40°C, cSt	44.5	47.57
Viscosity @ 100°C, cSt	8.46	8.55
Viscosity Index	170	159
NOACK	13.1	13.8
Color ASTM	2.5	3
Water And Sediment (Pass/Fail)	Pass	Pass
Appearance	Clear	Clear
Pour Point: °C	-48	-45
Flash Point: °C	216	225

Typical properties are average values only and do not constitute a specification.

For recommendations on safe handling and use of this product please see the Safety Data Sheet listed on the web at www.minnoco.com. Please contact your Minnoco sales representative or visit us on the web at www.minnoco.com for additional product information.

MSSA/Minnoco

2886 Middle Street, Little Canada, MN 55117

Ph: 651-487-1983 • Fax: 651-487-2447

e-mail: admin@mnsa.com