



Product Data Sheet

SD-X Synthetic Blend Motor Oils Passenger Car Motor Oil (PCMO)

DESCRIPTION

Nemco SD-X Synthetic Blend Motor Oils are high quality motor oils designed for gasoline engine service. They are formulated with a selected combination of high quality, high viscosity index mineral and synthetic base oils. They have proven additive systems with the proper balance of detergents, dispersants, rust and high temperature oxidation inhibitors along with exceptional anti-wear protection. The multi-grades are formulated with a viscosity index improver, which provides excellent low temperature pumpability.

Nemco SD-X Synthetic Blend Motor Oils meet the performance requirements which many new vehicle owner manuals use to signify the motor oil service requirement for the vehicle. New API Service SN motor oils provide significant performance enhancements in deposit control, volatility control, and fuel economy. Nemco SD-X Synthetic Blend Motor Oils exceed new car warranty requirements as defined by ILSAC GF-5. They are "Resource Conserving" for improved fuel economy, protection of emissions system catalysts and turbochargers, and protection of engines operating on ethanol-containing fuels.

Features & Benefits

- Resource conserving properties of SAE 5W20, 5W30 & 10W30 maximize fuel economy
- Improved volatility control reducing oil consumption
- Quality balanced formula promotes engine cleanliness and lower phosphorus additives that help extend life of emission control systems
- Enhanced deposit control reduces wear, protecting highly loaded engine parts
- Meets or exceeds the warranty requirements and oil drain interval recommendations of car and light duty truck manufacturers
- Excellent oxidation protection for high under hood temperatures experienced by modern cars

Application

Nemco SD-X Synthetic Blend Motor Oils are tested and proven lubricants for use in gasoline powered passenger cars, trucks, agricultural and commercial equipment.

Meets and/or exceeds

Formulated to exceed a variety of specifications and engine manufacturer requirements, which include:

- API Service SN and ILSAC GF-5
- Also meets API Resource Conserving criteria
- Suitable for use in older vehicles calling for API SM/ILSAC GF-4, and SL/ILSAC GF-3 qualified oils
- Meets most new car manufacturer warranty requirements, including Ford WSS M2C930/945-A(5W-20), M2C929/946-A(5W-30), GM 6094M, and Chrysler MS-6395S, along with Toyota and Honda service fill

Typical Characteristics – SD-X Synthetic Blend Motor Oils

SAE Grade	5W-20	5W-30	10W-30
Density, kg/L @ 15C	0.859	0.859	0.868
Viscosity cSt at 40°C cSt at 100°C	49 8.6	61 10.5	66 10.5
Viscosity Index	151	162	148
Pour point °C (°F)	-45 (-49)	-43 (-45)	-40 (-40)
Flash Point °C (°F)	220 (429)	220 (429)	228 (440)
Cold Cranking Viscosity, cP	6200 @ -30 C	6200 @ -30 C	5500 @ -25 C
Viscosity @ -30 C, cP (MRV-TP1, for SAE 10W)			19,000
Viscosity @ -35 C, cP (MRV-TP1, for SAE 5W)	16,000	21,000	
High Temp/High Shear (HTHS @ 150 C), cP	2.7	3.1	3.1

Physical characteristics shown in the table are typical and may vary slightly.