



## Product Data Sheet

### SD-X Synthetic Blend Series Premium Passenger Car Motor Oils

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#### 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 require to signify the motor oil service requirement for the vehicle. New API Service SN Plus 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.

#### Advantages

- Resource conserving properties of SAE 5W-20, 5W-30 & 10W-30 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

#### Applications

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

#### Meet or exceed the following specification standards and performance requirements:

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

- API Service SN Plus/ILSAC GF-5
- Also meets API Resource Conserving criteria
- Suitable for use in older vehicles calling for API SN/GF-5, SM/GF-4, and SL/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

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**Typical Characteristics – SD-X Synthetic Blend Motor Oils**

Properties	Method	5W-20	5W-30	10W-30
API Service Categories	-	SN Plus/GF-5, Resource Conserving Older API SN/GF-5, SM/GF-4		
Oil Type	-	Synthetic Blend		
Colour	Appearance	Amber		
Kinematic Viscosity @40°C mm <sup>2</sup> /s	ASTM D445	49	61	66
Kinematic Viscosity @100°C mm <sup>2</sup> /s	ASTM D445	8.6	10.5	10.5
Viscosity Index	ASTM D2270	151	162	148
CCS Viscosity @°C	ASTM D5293	6000 @ -30	6000 @ -30	5500 @ -25
High Shear Rate Viscosity, cP@°C (max)	Various ASTM	2.6	2.9	2.9
Flash Point (CC), °C (°F)	ASTM D92	220 (429)	220 (429)	228 (440)
Pour Point, °C (°F)	ASTM D97	-45 (-49)	-43 (-45)	-40 (-40)
MRV-TP1, Viscosity, cP@°C	ASTM D4684	16,000@ -35	21,000@ -35	19,000@ -30

These characteristics are typical of current production, variations in these characteristics may occur.

**Availability and product codes**

Pack size	12x1L cs	4x4L cs	20L pail	205L drum	Bulk
SD-X 5W-20	GMORZ0009	N/A	GMORZ0032	GMORZ0053	GMORZ0069
SD-X 5W-30	GMORZ0008	GMORZ0022	GMORZ0031	GMORZ0052	GMORZ0065
SD-X 10W-30	GMORZ0007	GMORZ0021	GMORZ0030	GMORZ0051	GMORZ0067
Availability	Year round				

**Use and Storage**

To get the best performance from your equipment ensure products meet or exceed manufacturing requirements. Lubricants typically have a shelf life of 5 years under ideal storage conditions. Keep drums and totes in good condition and away from moisture. Keep bungs securely in place; as bungs breath, moisture can seep in over time. Where possible, avoid storage in areas where the temperature fluctuates between extreme highs and lows.

**Health, Safety, & Environment**

GHS compliant Safety Data Sheets are available at [nemco.ca](http://nemco.ca) under 'Safety Data Sheets'. For SDS in French, please contact [info@nemco.ca](mailto:info@nemco.ca). While this material is not considered hazardous the SDS contains valuable information critical to the safe handling and proper use of the product. Always take used oil to an authorized collection point. Avoid discharge into drains, soil, or water. As with any lubricant, keep out of reach of children and animals.

**Quality**

Nemco works with respected industry suppliers and is an active member of ILMA. Nemco Resources Limited manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO 9001. For questions regarding quality, please contact our Technical Sales Representatives.