



## Product Data Sheet

### **Extreme Synthetic Series (Syn-Extreme) Motor Oil Full Synthetic Passenger Car Motor Oil (PCMO)**

#### **DESCRIPTION**

Nemco Syn-Extreme Motor Oils are premium quality, 100% synthetic engine oils formulated to provide excellent wear protection, to minimize the formation of sludge and varnish, and to resist viscosity and thermal breakdown even in severe service. The synthetic formulation provides enhanced oxidation resistance and thermal stability at high temperatures and better pumpability at low temperatures compared with conventional engine oils. Nemco Syn-Extreme Motor Oils are specially formulated to serve today's smaller, more efficient engines, and fully protect against premature engine wear and corrosion.

Before using Nemco Syn-Extreme Motor Oils, consult the owner's manual of the vehicle for the manufacturer's recommended viscosity grade and API service classification. Nemco Syn-Extreme 0W-20, 5W-20, 5W-30 and 10W-30 Motor Oils are recommended for gasoline fuelled automobiles and light duty trucks that require a motor oil meeting API SN and/or ILSAC GF-5 specifications. Syn-Extreme Motor Oils can also be used where an API SN, SM, SL, SJ, SH or an ILSAC GF-5 or GF-4 product is recommended.

Syn-Extreme oils are approved as GM dexos1™ oils, under GM dexos1™ Global license number D10016GB139 (5W-30), D10017GB139 (5W-20) and D10018GB139 (0W-20).

#### **Advantages**

- Exceeds ILSAC GF-5 requirements for new cars under warranty
- Friction-modified for improved fuel economy
- Excellent resistance to viscosity and thermal breakdown at high temperatures
- Protects against sludge and varnish formation
- Protects against wear, rust and bearing corrosion
- Low volatility for reduced oil consumption
- Excellent low-temperature pumpability for protection during cold starts
- Highly resistant to foaming
- Formulated to protect turbochargers and emissions control system catalysts
- Formulated for use in vehicles operating on ethanol-containing fuels up to E85

**Meets and/or exceeds**

- Approved for API Service SN with Resource Conserving performance
- Approved for GM dexos1 specification, under GM dexos1™ Global license numbers D10016GB139 (5W-30), D10017GB139 (5W-20) and D10018GB139 (0W-20)
- ILSAC GF-5, GF-4 and GF-3
- Suitable for use in older vehicles calling for oils meeting API SM/SL/SJ specifications
- Meet warranty requirements for OEM service fill, including Ford M2C930/945-A(5W-20), M2C929/946-A(5W-30), GM 6094M, and Chrysler MS-6395S, along with Toyota and Honda
- SAE 0W-20, 5W-20 and 5W-30 grades meet performance requirements of GM dexos1

**Typical Characteristics – Syn-Extreme Motor Oils**

SAE Grade	0W-20	5W-20	5W-30	10W-30
Density, kg/L @ 15C	0.851	0.851	0.851	0.862
Viscosity cSt at 40°C cSt at 100°C	45 8.6	50 8.8	50 11.0	67 10.7
Viscosity index	172	158	165	148
Pour point °C (°F)	-45 (-49)	-45 (-49)	-45 (-49)	-42 (-49)
Flash point °C (°F)	229 (444)	230 (446)	235 (455)	234 (453)
Cold Cranking Viscosity, cP @ C	5700 @ -35C	4900 @ -30C	5200 @ -30C	4800 @ -25C
MRV-TP1 @-30 C, cP (for SAE 10W)				16,500
MRV-TP1 @-35 C, cP (for SAE 5W)		12,700	19,500	
MRV-TP1 @-40 C, cP (for SAE 0W)	16,700			
High Temp/High Shear (HTHS@150C), cP	2.7	2.8	3.3	3.3

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