

# HAVOLINE<sup>®</sup> SYNBLEND DX MOTOR OIL SAE 0W-20, 5W-30

# **PRODUCT DESCRIPTION**

Chevron Havoline<sup>®</sup> SynBlend DX Motor Oil is a synthetic blend motor oil with GM dexos1<sup>™</sup> Gen 3 certification that contains cleaning and anti-wear additives to provide protection for modern engines to run efficiently.

# **FEATURES/BENEFITS**

Chevron Havoline SynBlend DX Motor Oil is designed to deliver:

- **Cleaner engines** Helps reduce sludge and deposit buildup to keep engines running longer
- Wear protection Delivers anti-wear protection to help preserve bearings, camshafts and other vital engine parts
- **Protection for critical engine parts** Helps provide superior protection for critical engine parts against Low Speed Pre-Ignition (LSPI) in turbocharged direct injection engines
- Better fuel economy retention Preserves fuel economy better than conventional motor oils to help save on fuel costs
- **Corrosion protection** Corrosive wear protection helps prevent corrosion of critical key engine parts
- Thermal stability Fights temperature related oil breakdown
- Peace of mind Meets or exceeds the latest industry and automaker standards, including GM's dexos1<sup>™</sup> Gen 3 specification

#### **PERFORMANCE CLAIMS**

- Protection up to 5,000 miles\*
- Cleanliness Fights sludge and deposit buildup beyond GF-7 limits<sup>1</sup>
- Wear protection Reduces friction-related wear of critical engine parts up to 25% better than industry GF-7 limits<sup>2</sup>
- **Thermal protection** Fights temperature-related oil breakdown and oil thickening
- **Fuel economy** Fuel economy retention that meets or exceeds GF-7 requirements<sup>3</sup>
- Corrosion protection Corrosive wear protection helps prevent corrosion of critical engine parts beyond GF-7 limits<sup>4</sup>
- dexos certification Meets or exceeds GM's tough dexos1 Gen3 standards

\*Guaranteed protection for 5,000 miles, or one year, whichever comes first. If your vehicle is under warranty, maintain oil change intervals recommended in your owner's manual. Follow your vehicle's oil warning lights. Severe service conditions are excluded.

- 1. Based on Sequence VH sludge and varnish test using SAE 0W-20
- 2. Based on Sequence IVB valvetrain wear test using SAE 0W-30
- 3. Based on GMVFE fuel economy test using SAE 0W-20
- 4. Based on Sequence VIII corrosion test using SAE 5W-30

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

#### A Chevron company product

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# **APPLICATIONS, SPECIFICATIONS & APPROVALS**

All modern car, SUV, and light truck engines, including newer turbocharged engines where ILSAC GF-7 and/or API SQ or previous specification is specified. Also recommended for use in mobile and stationary equipment where an API SQ or previous "S" category oil, and the appropriate viscosity grade is stipulated.

Meets or exceeds the following industry and OEM standards:

SAE Grade	0W-20	5W-30	
API SQ/Resource Conserving	х	Х	
ILSAC GF-7A	X	Х	
Chrysler MS-6395	X	Х	
Fiat 9.55535-CR-1	X	Х	
Ford WSS-M2C961-A1 <sup>1</sup>		Х	
Ford WSS-M2C962-A1 <sup>2</sup>	Х		
GM dexos1 Generation 3	License # D335BVGA089	License # D335AUGB089	
GM 6094M		Х	

1 Compatible with Ford WSS-M2C946-A1/B1

2 Compatible with Ford WSS-M2C947-A1/B1

### **TYPICAL TEST DATA**

SAE Grade	Test Method	0W-20	5W-30
Product Number		212043	212044
SDS Number		52555	52558
Density at 15ºC, kg/l	ASTM D4052	0.8437	0.8585
Viscosity, Kinematic mm <sup>2</sup> /s at 40°C mm <sup>2</sup> /s at 100°C	ASTM D445 ASTM D445	42.2 8.7	63.5 10.6
Viscosity, Cold Crank (CCS) (cP), CCS @ °C	ASTM D5293	-35/5700	-30/6100
Viscosity Index	ASTM D2270	166	158
Flash Point, <sup>o</sup> C( <sup>o</sup> F)	ASTM D92	236(457)	228(442)
Sulfated Ash, wt %	ASTM D874	0.9	0.9
Phosphorus, wt %	ASTM D4951	0.077	0.077
Zinc, wt %	ASTM D4951	0.089	0.089

Minor variations in product typical test data are to be expected in normal manufacturing.

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