



Product No: 583390, 500997, 584157, 583584, 593977, 583453, 596772, 584376, 589644, 500998, 584149, 565773, 583891, 583103, 596764, 587542, 584384

## Synthetic Blend SN Passenger Car Engine Oil

Formulated with SynGard™ Technology; Improved Performance  
for Engine Protection and Fuel Economy

### Description

Unimark™ Synthetic Blend Engine Oils are designed to give the ultimate in engine protection for all passenger cars, SUVs, and light trucks manufactured or sold in North America. These oils use state-of-the-art additives blended with full synthetic and hydrocracked basestocks to meet the highest requirements of API and OEMs for warranty coverage and engine protection under severe conditions.

When used according to manufacturers recommendations, these oils are fully certified for oil change intervals of 5,000 or more miles. Extended drain intervals are determined by type of driving and may be 7,500 miles or more in certain conditions. Synthetic and hydrocracked base oils offer maximum resistance to high temperature oxidation and exceptional low temperature performance.

Unimark™ Synthetic Blend Engine Oils meet all 2011 OEM warranty requirements and may be used in any vehicle sold in North America where API SN, SM, SI, SJ, CF or earlier designations are recommended. These oils are API approved and licensed. All grades meeting demanding global ILSAC GF-5 requirements for volatility and oxidation resistance.

### Application

- All passenger cars, light trucks and SUV's sold in North America
- Taxi, police and other municipal fleets where maximum mileage and minimum maintenance is desired
- Individual car owners seeking higher levels of engine protection than conventional oils

### Benefits

- Improved engine robustness and cleanliness
- Improved fuel economy, fuel economy retention
- Extended emission control and catalyst protection
- Full synthetic engine protection under extreme cold or hot temperatures
- Added oil emulsion specification for E85 vehicle protection
- Outstanding low temperature flow properties for startup and cold weather
- Outstanding anti-wear, oxidation control, and friction control



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## PERFORMANCE RATING

API	SN, SM, SL, SH/CF, and all earlier designations
ILSAC	GF-5 in all grades
ACEA	5W-XX — A1, A5/B1, B5; 10W-XX — A1, A5/B1, B5
Resource Conserving	All grades

## TYPICAL PROPERTIES

	Method	5W-20	5W-30	10W-30
API Gravity	D-4052	32.8	33.0	32.3
Viscosity, cSt at 40°C	D-445	45.75	53.38	64.84
Viscosity, cSt at 100°C	D-445	8.19	9.60	10.38
Viscosity Index	D-2270	154	166	148
Cold Crank Simulation (cP)	D-5293			
@-30°C		4905	2139	
@-25°C				4377
MR-V Low Temp Pumping	D-4684			
@-30°C		14,700	22,300	
@-25°C				28,200
High Temp/High Shear	D-5481	2.6	3.1	3.2
NOACK Volatility (%)	D-5800	8.3	9.1	12.5
Neutralization Number (TBN)	D-2896	6.5	6.6	6.6
Flash Point COC °C (°F)	D-92	228 (442)	212 (414)	230 (446)
Pour Point, °C (°F)	D-97	-47 (-53)	-46 (-51)	-35 (-31)
Martin Lubricants Bulk Number		583453	583103	587542

The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional qualifications, please contact Martin Technical Service Department.

This engine oil's service level is in accordance with the latest version of SAE J300 Engine Oil Viscosity Classification and SAE J183 Engine Oil Performance and Engine Service Classification.

**Health and Safety Information:** See separate Safety Data Sheets available on request.

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