

Product Information



Full Synthetic Passenger Engine Oil

API SN and GF-5 in All Grades

State-of-the-Art Passenger Car Engine Oils

Full Synthetic 5W-20 and 5W-30 Licensed General Motors dexos1™

DESCRIPTION

Syngard™ Full Synthetic Engine Oils are designed to give the ultimate in engine protection for all passenger cars, SUV's and light trucks manufactured or sold in North America. These oils use state-of-the-art additives and fully synthetic basestocks to meet the highest requirements of the API and all OEMs for warranty coverage and engine protection.

When used according to manufacturers recommendations, these oils are fully certified for oil change intervals of 7500 or more miles. Extended drain intervals are determined by type of driving and may be 10,000 miles or more in certain conditions. Fully synthetic base oils offer maximum resistance to high temperature oxidation and exceptional low temperature performance.

Syngard™ Full Synthetic Engine Oils will stay in grade for extended periods, even under extreme operating conditions. **Syngard® Oils** meet all OEM warranty requirements and may be used in any vehicle sold in North America where API SN, SM, SL, SJ, CF or earlier designations are recommended. These oils are API approved and licensed. All grades meeting demanding ILSAC GF-5 requirements for volatility and oxidation resistance.

Syngard™ Full Synthetic 5W-20 and 5W-30 Engine Oil is approved and licensed by General Motors® for service fill under dexos1™ service fill specifications.

APPLICATION

- All passenger cars, light trucks and SUV's sold in North America
- Municipal fleets where maximum mileage and minimum maintenance is desired
- Performance engines including supercharged or turbocharged applications



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BENEFITS

- Improved engine robustness and cleanliness
 - Improved fuel economy and 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 cold weather startup
 - Outstanding energy conserving properties for highest mileage
 - Outstanding anti-wear, oxidation control and friction control.
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LICENSE AND APPROVALS

API	SN,
ILSAC	GF-5 in all grades
Resource Conserving	
General Motors	FS 5W-20 dexos1™ - RB1D0823038 (service fill) FS 5W-30 dexos1™ - RB1B0216038 (service fill)

SERVICE PERFORMANCE

API	SM, SL, SH / CF and all earlier passenger car designations	
ACEA	0W-20 – A1, / B1	0W-30 – A3, / B-3, B-4
	5W-XX – A1, A4 / B1, B4	
	10W-XX – A1, A4 / B1, B4	
Chrysler Motors	0W-20 – MS6395	
General Motors	5W-30 – GM6094M, GM4718M,	



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TYPICAL PROPERTIES	Method	0W-20	0W-30	0W-40	5W-20	5W-30	10W-30
ILSAC - API Service Rating	D-4052	GF-5 SN/RC	GF-5 SN/RC	GF-5 SN/RC	GF-5 SN/RC	GF-5 SN/RC	GF-5 SN/RC
API Gravity	D-1298	35.1	35.3	36.7	34.5	34.3	33.9
Viscosity, cSt at 40°C	D-445	38.5	45.2	73.4	48.3	52.4	58.4
Viscosity, cSt at 100°C	D-445	8.8	10.4	12.7	8.9	10.9	11.6
Viscosity Index		220	228	174	167	206	198
Cold Crank Simulator,	D-5293						
-35°C		5,980	4,460	5,744	-	-	-
-30°C		-	-	-	4,650	5,017	-
-25°C		-	-	-	-	-	3,574
Low Temp. Pumping	D-4684						
-40°C		19,800	24,200	25,300	-	-	-
-35°C		-	-	-	20,900	29,000	-
-30°C		-	-	-	-	-	11,300
High Temp/High Shear	D-5481	2.7	3.0	3.2	2.8	3.2	3.3
Noack Volatility %	D-5800	12.6	12.8	10.9	9.9	10.5	9.1
Neutralization (TBN)	D-2896	6.9	6.9	6.4	7.2	7.2	7.4
Flash Point, °C (°F)	D-92	216 (421)	216 (421)	228 (442)	228 (442)	218 (424)	224 (435)
Pour Point, °C (°F)	D-97	-39 (-38)	-39 (-38)	-38 (-36)	-39 (-38)	-38 (-36)	-38 (-36)
ML Bulk No.		588887	590258	592131	587016	586961	586970

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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