



DESCRIPTION

SynGard™ Full Synthetic Engine Oils provide the ultimate protection for passenger cars, SUVs, and light trucks manufactured or sold in North America. These oils use state-of-the-art additives and synthetic basestocks to meet the highest requirements of API and many OEMs for warranty coverage and engine protection. When used according to manufacturers recommendations, these oils are capable of extended drain intervals based on driving conditions and normal service. This product provides maximum resistance to high temp oxidation and exceptional low temp performance.

These oils are API approved and licensed with all grades meeting demanding API SP and ILSAC GF-6A requirements for wear, LSPI, volatility, and oxidation resistance as well as for improved fuel economy. SynGard Full Synthetic 0W-20 and 5W-30 Engine Oils are approved and licensed by General Motors® for service fill under dexos1™ Gen 3 service fill specifications.

BENEFITS

- ❑ Improved fuel economy and engine cleanliness
- ❑ Improved protection against LSPI (low speed pre-ignition)
- ❑ 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
- ❑ Outstanding anti-wear, oxidation control and friction control

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

PERFORMANCE

License & Approvals

- API - SP
- ILSAC - GF-6A in all grades, Resource Conserving
- General Motors -
0W-20 dexos1™ Gen 3 - D33508DH038 (service fill)
5W-30 dexos1™ Gen 3 - D33509DH038 (service fill))

Performance Levels

- API - SP, SN, SM and all earlier passenger car designations
- Chrysler Motors - MS6395

TYPICAL PROPERTIES	METHOD	0W-20	0W-30	5W-20	5W-30	10W-30
ILSA - API Service Rating	D-4052	GF-6 SP/RC	GF-6 SP/RC	GF-6 SP/RC	GF-6 SP/RC	GF-6 SP/RC
API Gravity	D-1298	35.9	36.5	35.6	35.2	34.6
Viscosity, cSt at 40°C	D-445	45.5	55.1	45.5	64.6	62.7
Viscosity, cSt at 100°C	D-445	8.4	10.5	8.3	11.0	10.6
Viscosity Index		165	183	159	163	160
Cold Crank Simulator	D-5293					
-35°C		5,800	5,660	-	-	-
-30°C		-	-	3,980	4,700	-
-25°C		-	-	-	-	3,770
Low Temp Pumping	D-4684					
-40°C		29,900	33,500	-	-	-
-35°C		-	-	9,600	13,000	-
-30°C		-	-	-	-	9,200
High Temp/High Shear	D-5481	2.8	3.0	2.7	3.3	3.3
Noack Volatility, %	D-5800	10.0	11.2	8.5	9.4	12.9
Neutralization (TBN)	D-2896	8	7.5	7.5	8	7.5
Flash Point, °C (°F)	D-92	228 (442)	233 (451)	230 (446)	232 (450)	242 (468)
Pour Point, °C (°F)	D-97	-43 (-45)	-39 (-38)	-39 (-38)	-38 (-36)	-36 (-33)
ML Reference No.		588887	590258	587016	586961	586970



NOTE:

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.

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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