



FP MOTORÖL SP D1 0W-20

FULLY SYNTHETIC

PRODUCT DESCRIPTION:

FP MOTORÖL SP D1 motor oils are made with full synthetic base stocks to meet the stricter volatility limits and fuel economy demands of the latest Turbocharged Gasoline Direct Injection (TGDI) engine designs. It is specifically formulated to prevent low speed pre-ignition (LSPI4) using advanced additive technology to address all these new performance demands. These motor oils better protect today's engines with enhanced performance in the areas of wear, cleanliness, and fuel economy while providing excellent protection for extended drains and extreme service conditions.

APPLICATION:

FP MOTORÖL SP D1 is recommended for use in Turbocharged Gasoline Direct Injection (TGDI), conventional gasoline fueled and flex-fuel passenger cars, light trucks, and sport utility vehicles, including gasoline electric hybrids, especially when operating under severe conditions or anywhere where the manufacturer calls for dexos™1 Gen 3 or API SP, SN Plus/ ILSAC GF-6A rated oils.

FEATURES & BENEFITS:

- Delivers optimum protection for TGDI designs and the latest GM dexos™1 Gen3 approval capability
- Delivers enhanced performance in the areas of wear, cleanliness, and fuel economy
- Fully backward compatible with dexos™1 Gen2 and can be used in older vehicles
- Exceeds capabilities of market GF-6 oils, providing protection against the potential for pre-ignition in TGDI designs, fully meeting both the currently defined OEM requirements and the anticipated future industry performance targets.
- Available in two multi-viscosity grades

PERFORMANCE LEVELS: Meets or Exceeds:

SAE	0W-20
API	SP (RC)/ SN PLUS (RC)
ILSAC	GF-6A
GM	GM dexos™1 Gen 3
FORD	WSS-M2C962-A1

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	RESULT
Grade			0W-20
Kinematic Viscosity@ 104°F /40°C	ASTM D7042	cSt	42
Kinematic Viscosity@ 212°F /100°C	ASTM D7042	cSt	8.2
Viscosity Index	ASTM D2270	-	174
SP. Gravity @15°C/60°F	ASTM D4052	g/cm ³	0.842
Flash Point	ASTM D92	°C	216
Pour Point	ASTM D97	°C	-42
TBN	ASTM D2896	mg KOH/g	7.8
CCS, (°C)	ASTM D5293	m.Pa.S	<6200(-35°C)

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point.