

# SPX SYNTHETIC GL-5 GEAR OIL

SYNTHETIC MULTIPURPOSE EXTREME PRESSURE API GL-5 GEAR LUBRICANT

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SPX Synthetic GL-5 Gear Oil is a synthetic, API GL-5 automotive gear lubricant. It is specially designed for use in hypoid gear set applications operating in extreme temperatures or under severe conditions. SPX Synthetic GL-5 Gear Oil is formulated to provide long service life and extended gear life in gear applications operating under varying conditions of speed, load, temperature, and torque. The full-synthetic formulation provides enhanced oxidation resistance and thermal stability at high temperatures and better low-temperature properties compared with conventional mineral oil-based gear oils, resulting in longer service intervals and better performance over a wide temperature range.

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## Advantages

- Extended drain, all-season performance
  - Outstanding oxidation resistance and thermal stability to minimize sludge and varnish formation
  - Excellent thermal durability and extreme-pressure properties for extended gear life
  - High load carrying capacity for protection against scuffing and wear
  - High shear stability
  - Protects against rust and corrosion
  - Compatible with synthetic and conventional automotive gear oils
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## Applications

- Service fill of conventional differentials on passenger cars and trucks
  - Service fill of differentials, final drives, and transfer cases in some off-highway equipment
  - Non-synchronized manual transmissions in trucks, buses, and heavy equipment where the manufacturer specifies and API GL-5 or MT-1 gear oil
  - Top drive or drawworks gearboxes on drilling equipment in severe environments
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## Specifications

SPX Synthetic GL-5 Gear Oil meets the requirements of the following industry specifications:

- API Service GL-5, MT-1
  - MIL-PRF-2105E
  - SAE J2360
  - MACK GO-J
  - Dana SHAES 234 (Eaton PS-037A)
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Automotive



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## TYPICAL PROPERTIES

SAE Grade	75W-90	75W-140	80W-140
Specific Gravity @ 60°F	0.872	0.848	0.882
Density, lbs/gal @ 60°F	7.26	7.07	7.35
Color, ASTM D1500	1.0	1.0	1.0
Flash Point (COC), °C (°F)	204(399)	250(482)	226(439)
Pour Point, °C (°F)	-42(-44)	-46(-51)	-31(-24)
Viscosity, Brookfield			
cP @ -40°C	141,000	140,000	---
cP @ -26°C	---	---	114,540
Viscosity, Kinematic			
cSt @ 40°C	112	198	286
cSt @ 100°C	15.2	29.5	27.8
Viscosity Index	142	176	129

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

### Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet (SDS).



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