



Automotive Gear Oil

Technical Data Sheet



LOCOMOTIVE POWER GEAR OIL 80W-90 GL-5

PRODUCT DESCRIPTION:

LOCOMOTIVE 80W-90 GL-5 is superior sulfur-phosphorus, extreme pressure gear lubricant formulated with premium quality base stocks, friction modifiers and corrosion inhibitors, meeting the requirements of API GL-5 as well as many other manufacturer specifications. These oils are formulated to produce a superior gear lubricant with extreme pressure characteristics and thermal stability for automotive applications over a wide range of temperatures and heavy-duty conditions.

APPLICATION:

LOCOMOTIVE 80W-90 GL-5 is recommended for use in spiral bevel and hypoid differentials, power dividers and transmissions requiring EP gear lubes under high speed, high load, high torque and high horse power conditions. Shift Ultra meets or exceeds the quality requirements of numerous vehicle manufacturers such as IVECO, MAN, SCANIA and VOLVO for heavy vehicles rear axles and final drive units.

FEATURES & BENEFITS:

- Extreme pressure properties protect hypoid and other types of gears from scuffing and wear.
- Superior thermal and oxidative stability.
- High safety margin against foaming and corrosion.
- Protects against oil seal deterioration.

PERFORMANCE LEVELS: Meets and Exceeds:

- API GL-5
- MIL-L-2105D
- MAN 342 M2
- ZF 12E/16B16C 17B/21A

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	RESULT
Grade			80W-90
Kinematic Viscosity@ 104°F /40°C	ASTM D7042	cSt	146
Kinematic Viscosity@ 212°F /100°C	ASTM D7042	cSt	14.7
Viscosity Index	ASTM D2270	-	100
SP. Gravity @15°C / 60°F	ASTM D4052	g/cm ³	0.886
Flash Point	ASTM D92	°C	230
Pour Point	ASTM D97	°C	-24
Brookfield Viscosity	ASTM D 2983	cp	<150,000(-26°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 into drains or the environment. Dispose to an authorized used oil collection point. For further Information on safety guidelines please refer to MSDS available on our website www.locomotive.co.il