



## LOCOMOTIVE POWER API GL-4

### FULLY SYNTHETIC

#### PRODUCT DESCRIPTION:

LOCOMOTIVE POWER GL-4 is fully synthetic high-performance gear oil is a top grade, extreme pressure gear oil for high-load manual, auxiliary, transaxle and hypoid transmissions, where a lubricant complying with API GL4 is required. High-quality, oil and modern additive technology ensures a broad application range and optimum transmission lubrication under extreme conditions. The low-viscosity characteristics of this gear oil makes it also suitable where shifting difficulties exist (e.g. stiffness or noise generation).

#### APPLICATION:

For extreme high-load manual, auxiliary, transaxle and hypoid transmissions, where a lubricant complying with API GL 4 is required.

#### FEATURES & BENEFITS:

- Excellent viscosity/temperature properties.
- Outstanding seal compatibility.
- Excellent resistance to aging.
- Excellent wear resistance.
- High pressure-absorption capability.
- Wide viscosity range.
- Reduces gearshift resistance.
- Excellent corrosion protection.
- Reduces transmission noise.

#### PERFORMANCE LEVELS: Meets and Exceeds:

- API GL-4
- ZF TE-ML 02L
- VOITH Class C
- VOLVO 97307/97318
- MB 235.4/ 235.41/235.11
- MAN 341 TYPE E4/Z4
- VOLVO 97315/97319

#### TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	LOCOMOTIVE POWER GL-4		
Grade			75W-80	75W-90	75W-140
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	50.0	106	180
Kinematic Viscosity @ 212°F /100°C	ASTM D-7042	cSt	8.7	17.0	27.8
Viscosity Index (min)	ASTM D-2270	-	153	175	193
SP. Gravity @15°C/ 60°F	ASTM D-4052	g/cm <sup>3</sup>	0.872	0.870	0.870
Flash Point (min)	ASTM D-92	°C	210	210	210
Pour Point (max)	ASTM D-97	°C	-39	-39	-39
Brookfield Viscosity @ -40 °C	ASTM D-5293	mPa.s	<150,000	<150,000	<150,000

#### 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 [Locomotive.com](http://Locomotive.com)