

## Product Information



### **GL1 SAE Mineral Gear Oil**

***Straight Mineral Gear Oils  
For Non-EP Gear Applications  
Heat Transfer Fluids***

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#### DESCRIPTION

**Gard® GL-1 Gear Oils** are blends of highly refined bases stocks and foam inhibitors. These oils are suitable for use in automotive and industrial gearboxes and manual transmissions where all mineral, non-EP gear oils where API service GL-1 gear oils are recommended.

**Gard® GL-1 Gear Oils** are commonly used in industrial gear boxes where loads do not require EP additives. They make excellent heat transfer fluids, are non-foaming and compatible with all brass and bronze bearings.

**Gard® GL-1 Gear Oil** is not recommended for use in automotive and heavy duty differentials using offset spiral bevel (hypoid) gear sets. Use GL-5 gear oils for those applications.

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#### APPLICATION

- Gearboxes where EP properties are not required
  - Transmissions using straight cut gears
  - Gear reducers where a non-EP gear lubricant is specified
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#### BENEFITS

- Provide a thick hydro-dynamic film between gears
  - Excellent film strength at high operating temperatures
  - Excellent heat transfer properties to keep gearsets cool
  - Outstanding resistance to foaming
  - Prevents corrosion of copper and brass
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#### PERFORMANCE LEVELS

API GL-1 Straight mineral gear oils  
Not recommended for modern automotive, farm, construction, logging, or heavy duty differentials using offset ring and pinion gears.

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#### TYPICAL PROPERTIES

	METHOD	SAE 90	SAE 140	SAE 250
Specific Gravity at 15.6°C	D 1298	0.927	0.928	0.928
Viscosity, cSt at 40°C	D 445	234.9	441.7	1048.0
Viscosity, cSt at 100°C	D 445	13.5	21.9	71.0
Flash Point, °C	D 92	225	230	200
Pour Point, °C	D 97	-11	-5	0

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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.

**Health And Safety Information** See separate Material Safety Data Sheets available on request.

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