



Transmission Oil SAE 90

Phillips 66® Transmission Oil SAE 90 is an SAE 90 mineral oil gear lubricant recommended for use in manual transmissions, transfer cases and rear axle assemblies of automotive, farm and off-highway equipment where the manufacturer specifies an API GL-1 gear oil. It also may be used in light-duty industrial applications where a non-compounded ISO VG 150 or AGMA 4 mineral oil is specified.

Transmission Oil SAE 90 has good film strength and rust inhibition to protect gears, bearings and synchronizers. It also has good oxidation resistance to help minimize deposit formation, and good resistance to foaming.

Applications

- Heavy-duty, multiple-speed manual transmissions and transfer cases in trucks and buses where the manufacturer specifies an API GL-1, SAE 90 gear oil
- Lightly loaded enclosed industrial gear drives where the OEM specifies a R&O type, AGMA 4 gear oil
- General-purpose lubrication in applications that require a non-compounded, ISO VG 150 mineral oil

Mineral Gearlube 90 meets the requirements of:

- API Service GL-1

Features/Benefits

- Good film strength for wear protection
- Good oxidation resistance
- Protects against rust and corrosion
- Good foam resistance

Note: *Mineral Gearlube 90 does not contain extreme-pressure or oiliness additives. It is not recommended for use in hypoid gear sets typically found in automotive and truck rear axles, or in worm gear drives*

SAE 90 Mineral Gear Lubricant, API GL-1





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Typical Properties	
SAE Grade	90
ISO Grade	150
AGMA Grade	4
Specific Gravity @ 60°F	0.875
Density, lbs/gal @ 60°F	7.28
Color, ASTM D1500	2.5
Flash Point (COC), °C (°F)	277 (531)
Pour Point, °C (°F)	-17 (1)
Viscosity,	34.0
cSt @ 40°C	155
cSt @ 100°C	15.5
SUS @ 100°F	813
SUS @ 210°F	81.8
Viscosity Index	101

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/EN/products/Pages/MSDS.aspx>.