



Product Application Sheet

76 MP Gear Lube

MULTIPURPOSE AUTOMOTIVE GEAR LUBRICANT, API GL-5

76 MP Gear Lube is a multipurpose, extreme pressure, API GL-5 automotive gear lubricant. It is compounded to meet the severe lubrication requirements of modern passenger car and truck axles with either conventional or limited-slip differentials. It is specifically designed for use in axles with hypoid gear sets. It may also be used in manual transmissions where the manufacturer specifies an API GL-5 gear oil. 76 MP Gear Lube is formulated with a thermally stable and thermally durable additive package for maximum protection over a wide temperature range. It meets the requirements of API GL-5 and MT-1, Mack GO-J, and MIL-PRF-2105E and MIL-L-2105D.

TYPICAL APPLICATIONS

Conventional and limited-slip differentials in passenger cars, light trucks, and heavy-duty trucks.

Differentials, final drives, and transfer cases in heavy equipment.

Conventional manual transmissions for which the manufacturer specifies an API GL-5 gear oil.

Hypoid gear sets.

All parts normally lubricated by automotive gear oil, such as manual steering gears, universal joints, and rear wheel bearings.

Industrial reduction gears where extreme pressure gear oils are specified.

CAUTION: For refill after a complete drain, some limited-slip differentials may require the manufacturer's specified gear lubricant or supplemental additive. Refer to the owner's manual for specific requirements.

Issued by
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RECOMMENDED FOR:

API Service GL-5, MT-1, and proposed PG-2
Chrysler MS-9020B (SAE 80W-90)
Eaton Fuller Transmissions (SAE 80W-90)
Ford M2C197-A (SAE 80W-90)
Mack GO-J, GO-H
Military Specifications:
MIL-PRF-2105E, MIL-L-2105D
Navistar B-22
Meritor (Rockwell) O-76A (SAE 85W-140),
O-76D (SAE 80W-90), O-76E (SAE 75W-90)
Axles with limited-slip differentials
Hypoid gear sets
Manual transmissions where an API GL-5 gear
lubricant is recommended

OUTSTANDING FEATURES

- ◆ Outstanding thermal stability to minimize oxidative sludge and varnish formation
- ◆ Excellent thermal durability for extended gear life at elevated temperatures and under extreme pressure conditions
- ◆ Excellent load-carrying capacity and protection against scuffing and wear
- ◆ Good rust and corrosion protection
- ◆ Non-corrosive to bronze or brass at normal operating temperatures (under 225°F)
- ◆ Good foam resistance
- ◆ Compatible with other MIL-PRF-2105E quality gear lubricants⁽¹⁾

⁽¹⁾ **Note:** For optimum performance, it is best not to mix 76 MP Gear Lube with other gear lubricants that have been used for a long time. Draining of the prior gear lubricant is recommended.

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DESCRIPTION

76 MP Gear Lube is formulated with high quality paraffinic base oils and a carefully balanced additive package that provides extreme pressure and antiwear properties, rust and corrosion protection, controlled frictional characteristics, and foam resistance. The thermally stable additive system helps keep gears, dynamic seals, and gear housings clean by minimizing oxidative sludge and varnish formation. The excellent thermal durability of the additive system extends gear set life at elevated temperatures and under extreme pressure conditions.

76 MP Gear Lube retains its superior lubricating properties at elevated temperatures above what was possible with previous-generation additive chemistry. It provides excellent performance in automotive differentials operating under varying conditions of speed, load, temperature, and torque. It is non-corrosive to steel or bronze under normal operating conditions. A friction modifier prevents chatter in positraction and limited-slip differentials. A foam inhibitor prevents excessive foam buildup that can interfere with proper lubrication.

TYPICAL INSPECTION TESTS:

SAE Grade ^(a)	75W-90	80W-90	85W-140
Product Code	51250	51630	51650
Density, g/cm ³ @ 15°C	0.878	0.888	0.900
Color, ASTM	L 1.5	3.0	4.5
Flash Point, COC, °C (°F)	200 (390)	218 (425)	227 (440)
Pour Point, °C (°F)	-41 (-42)	-30 (-22)	-18 (0)
Viscosity			
cP <150,000 (Brookfield) @ °C (°F)	-40 (-40)	-26 (-15)	-12 (10)
cSt @ 40°C	65.1	133	327
cSt @ 100°C	13.5	13.9	26.5
SUS @ 100°F	327	696	1,732
SUS @ 210°F	73.2	75.2	131
Viscosity Index	215	101	96
Copper Corrosion, ASTM D130	1B	1B	1B
Foam Test, ASTM D892	Pass	Pass	Pass
Non-Channeling @ °C (°F)	-45 (-49)	-35 (-31)	-20 (-4)

^(a) **Note:** Check for local availability; not all viscosity grades are available at all terminals.