



AUTOMOTIVE GEAR OILS

DESCRIPTION

AUTOMOTIVE GEAR OIL is a multi-purpose type gear lubricant whose high performance level is obtained using a sulfur-phosphorus additive treatment. The selected additives provide extreme pressure properties to protect automotive gears, which may be operated under the most severe service conditions encountered in passenger cars, truck farm tractors, earth moving, construction and other heavy-duty equipment. These additives specifically supply anti-scuff, anti-weld and anti-wear properties necessary in heavy-duty service gear lubricants.

API SERVICE CLASSIFICATIONS: GL-5 & GL-4

AUTOMOTIVE GEAR OIL is blended to meet the multi-grade viscosity requirements. These gear lubricants are formulated with naturally High VI solvent-refined base oils and thus do not require viscosity index improvers to meet multi-grade viscometric properties of grades offered. Because these lubricants do not contain VI improvers, they will maintain their viscometric properties throughout their useful life and will not lose viscosity through shear.

VISCOSITY GRADES AVAILABLE: SAE 80W-90 grade for use at temperatures around -20 degrees SAE 85W-140 grade for use at temperatures around -10 degrees Equipment manufacturers' recommendations should always be followed when the gear lubricant is subject to high temperatures. While some gear sets are designed for year-round operation using an SAE 80W-90, others may require SAE 85W-140 for high temperature operation during the hot weather months.

AUTOMOTIVE GEAR OIL meets performance requirements of military specification MIL-PRF-2105 and is designated for the highest severity of gear service, API service classification GL-5. Also, it meets Mack trucks GO-J specification requiring a thermally stable MIL-PRF-2105 gear oil with limited slip additive.

AUTOMOTIVE GEAR OIL is recommended for the following applications: In conventional (manual) type transmissions, differentials, final drives (except worm drives), and other gear cases of heavy trucks, buses and farm tractors where extreme pressure, hypoid or multi-purpose gear oils are specified by the equipment manufacturer. Also, this product may be used to passenger car limited slip axles.

TYPICAL ANALYSIS			
PRODUCT NO.		267	268
1.	Viscosity @ 40°C, cSt	157	353
2.	Viscosity @ 100°C, cSt	15.3	25.4
3.	Viscosity @ 100°F, SUS	825	1880
4.	Viscosity @ 210°F, SUS	81	126
5.	Viscosity Index	98	98
6.	Flash Point, °F	485	535
7.	Pour Point, °F	-15	5
8.	API Gravity	25.6	23.8
9.	Timken OK, lbs	60	60
10.	4-Ball Weld & LWI	250	250