



Product Bulletin

GULF SYNGEAR

Gulf Syngear Synthetic Hypoid Gear Lubricants are premium 100% synthetic heavy-duty, extreme pressure, GL-5 gear lubricants. The high and low temperature performance of these products exceed those of conventional SAE 80W-90, SAE 90, and SAE 85W-140 hypoid gear lubricants.

FEATURES AND BENEFITS:

Gulf Syngear Synthetic Hypoid Gear Lubricants are compounded using a synthetic base stock, which has a high viscosity index and exceptionally low pour point. These lubricants contain extreme pressure additives, as well as rust, oxidation, and corrosion inhibitors to protect gears and bearings operated under a wide variety of load conditions.

Gulf Syngear Synthetic Hypoid Gear Lubricants outperform conventional gear lubricants to promote longer gear life and better operating economy. They offer the following major advantages:

- Extended gear and bearing life
- Extremely high film strength
- Superior low-temperature performance and all season lubrication
- Exhibit excellent demulsibility and shear stability
- Improved fuel mileage, as a result of the superior lubricating properties
- Extended drain intervals in conjunction with manufacturer recommendations

APPLICATIONS:

Gulf Syngear Synthetic Hypoid Gear Lubricants are recommended for applications where heat and wear present major problems. These applications include manual transmissions where EP type lubricants are recommended, differentials including limited slip, and transfer cases for heavy equipment, trucks, tractors, and industrial gear drives. Additionally, these products meet or exceed all performance requirements for:

- API Service Classifications GL-5 and MT-1
- Eaton Axle Division PS-037, PS-163, and PS-109 (75W-90)
- Dana SHAES-256 rev. C, SHAES-234 and SHAES 429, rev. A
- Mack Truck GO-J-PLUS (75W-90) and GO-J (80W-140)
- International TMS 6816
- MIL-L-2105D / MIL-PRF-2105E
- SAE J2360
- Arvin Meritor O-76E & O-76N (75W-90) and O-76B & O-80 (80W-140)
- Extended warranty coverage at Eaton



SELECTION:

Gulf Syngear Synthetic Hypoid Gear Lubricants are available in two viscosity grades, **SAE 75W-90** and **SAE 80W-140** as noted in the chart below. Follow equipment manufacturer recommendations for appropriate viscosity grades.

AVAILABILITY:

Gulf Syngear Synthetic Hypoid Gear Lubricants are available throughout Gulf's marketing area. Your Gulf representative or Gulf jobber can provide specific information. Need additional information? Call Gulf @ 1-800-566-GULF (4853).

Gulf Syngear Synthetic Hypoid Gear Lubricants – Typical Properties

SAE Grade		75W-90	80W-140
Product Code	Test Method	337103	337104
Viscosity, cSt @ 40°C	ASTM D-445	122	284
Viscosity, cSt @ 100°C	ASTM D-445	16.6	30.6
Viscosity, SUS @ 100°F	ASTM D-2161	626	1,470
Viscosity, SUS @ 210°F	ASTM D-2161	86.1	149
Brookfield Viscosity, cP @ -26.1°C	ASTM D-2983	--	75,000
Brookfield Viscosity, cP @ -40°C	ASTM D-2983	125,000	--
Viscosity Index	ASTM D-2270	147	146
Pour Point, °F (°C)	ASTM D-97	-50 (-45)	-40 (-39)
Flash Point, COC, °F (°C)	ASTM D-92	400 (204)	395 (200)
FZG Scuffing Test, stages	ASTM D-5182	12	12
Timken OK Load, lbs	ASTM D-2782	50	85
Copper Strip Corrosion, 3 hrs. @ 250°F	ASTM D-130	1a Pass	1a Pass
Foam Test Sequence I Sequence II Sequence III	ASTM D-892	Pass Pass Pass	Pass Pass Pass
API Gravity, 60°F	ASTM D-287	25.2	23.6
Density, lbs/gal (g/L)	Calculated	7.42 (891)	7.51 (902)
API Service		GL-5 / MT-1	GL-5 / MT-1