



PRODUCT BULLETIN



SYNTHETIC GEAR LUBRICANT

"A truly unique 100% synthetic multi-purpose gear-oil without any compromise on performance."

DESCRIPTION:

Contains a combination of the latest technical advances in both synthetic base stocks and additive systems. A special formulated heavy-duty 100% synthetic gear lubricant to provide excellent low and high temperature performance. Viscosity Index (V.I.) improvers are not used to achieve the multi-grade characteristics. The thermal stability of this gear lubricant provides protection at elevated temperature levels where most petroleum mineral oils would fail, the superior oxidation stability of Steelco Synthetic Gear Lubricant allows much longer intervals between oil changes.

In some instances, synthetic gear lubricants are the only lubricants able to provide adequate lubrication at higher operating temperatures. This exceptional thermally stable ester base stock plus performance additive will continue to perform at temperatures in excess of 100°F. above the temperatures where petroleum gear oils would fail.

The additive system includes: special extreme pressure anti-wear agents which prevent metal-to-metal contact of meshing gear teeth or in highly loaded bearings; a cushioning agent to absorb loads thus protecting gears under high stress; an oiliness agent required for protection of hypoid type gears; and special additives to resist oxidation and the related sludge, deposits and corrosive agents.

In addition to the extreme low temperature characteristics of a synthetic gear lubricant, a friction modifier is also employed to reduce sliding friction resulting in lower energy and/or fuel requirements.

Exceeds requirements for Military Specification MIL-2105C, U.S. Steel 224, AGMA 250.03, API Specification GL-5 and SAE J306.

APPLICATIONS:

Recommended for automotive type gear service in manual transmissions, differentials (including all limited slip), power-dividers, overdrive units, sealed wheel bearings and universal joints, steering boxes or any other gear unit calling for a premium heavy duty hypoid type enclosed gear oil. Recommended for all enclosed industrial gear systems. Not recommended for use in automatic, semi-automatic or hydraulic transmissions.

USER BENEFITS:

- * HIGH TEMPERATURE STABILITY
- * LOW TEMPERATURE FLUIDITY
- * ELIMINATION OF DEPOSITS
- * LOWER FUEL COST
- * COOLER GEARBOX OPERATION
- * INVENTORY VERSATILITY
- * REDUCED MAINTENANCE
- * CAN BE USED IN LIMITED SLIP DIFFERENTIALS
- * DISTINCTIVE COLOR

TYPICAL TEST DATA:

STEELCO CODE NUMBER	S-201
SAE Grade.....	80W-140
Viscosity at 100°F.....	900
Viscosity at 210°F.....	126
Brookfield Viscosity, -26°C.....	64.00
Viscosity Index.....	139
Flash Point, °F.....	395
Pour Point, °F.....	-60
Gravity, °API.....	30.7
Timken Load, Lbs.....	70
AGMA Number.....	7EP
Color.....	Green

AUTHORIZED DISTRIBUTOR: