



CHEVRON DELO[®] GEAR LUBRICANTS ESI[®]

SAE 80W-90, 85W-140

CUSTOMER BENEFITS

Chevron Delo Gear Lubricants ESI deliver value through:

- **Reduced wear** — Chevron Delo Gear Lubricants ESI antiwear properties are unsurpassed. These assure longer life to gears, bearings, and seals.
- **Seal compatibility** — Seal materials are not adversely affected by Chevron Delo Gear Lubricants ESI at temperatures as high as 163°C (325°F).
- **Lower operating temperatures** — Unique additive chemistry reduces friction resulting in cooler operating temperatures.
- **Longer lubricant life** — The outstanding thermal and oxidation stability characteristics of Chevron Delo Gear Lubricants ESI allow drain intervals more than double the length of conventional gear lubricants, resulting in significant lubricant savings.
- **Potential fuel savings** — The remarkable low friction properties of this product contribute to reduced energy consumption.
- **Compatibility** — Compatible with conventional sulfur-phosphorus and synthesized hydrocarbon based lubricants.

FEATURES

Chevron Delo Gear Lubricants ESI are premium grade, multipurpose gear lubricants.

They are formulated with ISOSYN[®] base stocks and compounded with a unique extreme pressure additive utilizing an inorganic borate compound. They also contain a patented, synergistic combination of additives that protect against wear, seizure, oxidation, corrosion, rust, and foam.

Chevron Delo Gear Lubricants ESI are ideally suited for gear sets exposed to extremely high temperatures and loads.

Tests have proven that Chevron Delo Gear Lubricants ESI provide a wear protection film 3 to 5 times thicker than the conventional sulfur-phosphorus antiwear film. The inorganic borate film is composed of compounds that do not react with metal. The film forms promptly to provide superior gear protection and improved thermal stability. By minimizing friction, cooler operating temperatures have been observed.

APPLICATIONS

These lubricants are excellent for all types of automotive and industrial bearings and gears, particularly those operating under severe temperature and load conditions. They provide excellent wear control even in the presence of small amounts of water. Their exceptional thermal and oxidation stability, and antiwear performance permit longer gear life and extended drain intervals.

Chevron Delo Gear Lubricant ESI SAE 80W 90 is the first nonsynthetic gear oil approved for the extended warranty program of Dana Spicer heavy duty axles and is an approved lubricant for drive axles under the Eaton Roadranger E500[™] Extended Warranty Program. Chevron Delo Gear Lubricants ESI are also approved for the extended drain specifications of both ArvinMeritor and Mack.

Chevron Delo Gear Lubricants ESI:

- meet the performance requirements of **API Service Categories** GL 4, GL-5, and MT-1
- are qualified for **SAE J 2360** (formerly known as MIL-PRF-2105E)
- are approved for **Dana Spicer** SHAES256 and **Eaton** PS-163 up to 500,000 mile initial and service fill
- are approved for **ArvinMeritor** TP-9539 up to 500,000 mile initial and service fill (refer to manufacturer's recommendations for extended drain lubricants)
- are approved for **Mack** GO-J PLUS up to 500,000 mile initial and service fill (SAE 80W 90; refer to manufacturer's recommendations for extended drain lubricants)



TYPICAL TEST DATA

SAE Grade	80W-90	85W-140
<i>CPS Number</i>	224503	224504
<i>MSDS Number</i>	6698	6698
API Gravity	27.7	24.1
Viscosity, Kinematic cSt at 40°C cSt at 100°C	140 14.2	341 25.0
Viscosity, Saybolt SUS at 100°F SUS at 210°F	734 76	1819 124
Viscosity, Brookfield cP at -12°C cP at -26°C	— 115,000	130,000 —
Viscosity Index	99	95
Flash Point, °C(°F)	210(410)	210(410)
Pour Point, °C(°F)	-33(-27)	-15(+5)
Timken OK Load, lb	75	75

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.