



CHEVRON ULTRA GEAR LUBRICANTS

ISO 68, 150, 220, 320, 460, 680

CUSTOMER BENEFITS

Chevron Ultra Gear Lubricants deliver value through:

- **Reduced wear** — Excellent antiwear properties assure longer life for gears, bearings, and seals.
- **Longer lubricant life** — The outstanding thermal and oxidation stability characteristics of Chevron Ultra Gear Lubricants allow drain intervals more than double the length of conventional gear lubricants, resulting in significant lubricant savings.
- **Potential energy savings** — The remarkable low friction properties of these products make significant conservation of energy, as well as lower operating temperatures, possible.

FEATURES

Chevron Ultra Gear Lubricants are premium grade, multipurpose gear lubricants.

They are formulated with a unique extreme pressure additive using an inorganic borate compound. ISO **68**, **150**, **220**, and **320** are formulated with ISO SYN® base stocks.

Chevron Ultra Gear Lubricants provide outstanding protection against oxidation, corrosion, and rust protection.

These products are ideally suited for gear sets exposed to extremely high temperatures and loads.

Tests have proven that Chevron Ultra Gear Lubricants provide a wear protection film 3 to 5 times thicker than a conventional sulfur-phosphorus antiwear film. The inorganic borate film is composed of compounds that do not adversely 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. This results in longer gear and lubricant life.

APPLICATIONS

Chevron Ultra Gear Lubricants are excellent for all types of 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.

Chevron Ultra Gear Lubricants meet the requirements of:

- **U.S. Steel 224**
- **AGMA 9005 EP**

Chevron Ultra Gear Lubricants are certified by **NSF** and are acceptable as lubricants where there is no possibility of food contact (H2) in and around food processing areas. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements of appropriate use, ingredient review and labeling verification.



TYPICAL TEST DATA

ISO Grade	68	150	220	320	460	680
<i>Product Number</i>	250053	250026	250028	250029	250027	250033
<i>MSDS Number</i>	6692	6692	6692	6692	6692	6692
AGMA Grade	2 EP	4 EP	5 EP	6 EP	7 EP	8 EP
API Gravity	30.2	28.6	27.5	26.5	25.8	25.6
Viscosity, Kinematic cSt at 40°C cSt at 100°C	68 8.7	150 14.9	220 19.0	320 24.0	460 30.3	680 40.7
Viscosity, Saybolt SUS at 100°F SUS at 210°F	352 56	786 78	1162 97	1702 119	2463 149	3656 198
Viscosity Index	99	99	97	95	95	99
Flash Point, °C(°F)	230(446)	270(518)	280(536)	280(536)	290(554)	270(518)
Pour Point, °C(°F)	-30(-22)	-30(-22)	-18(0)	-12(+10)	-12(+10)	-12(+10)
Load Weld, ASTM D 2783 Index, kg Point, kg	47 250	55 250	56 250	56 250	56 250	61 315
FZG Pass stage	>12	>12	>12	>12	>12	>12

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