



CHEVRON ULTRA-DUTY GREASES EP

NLGI 0, 1, 2

CUSTOMER BENEFITS

Chevron Ultra-Duty Greases EP deliver value through:

- **High shock load protection**
- **High load-carrying protection**
- **High corrosion and rust protection** — Chevron Ultra-Duty Greases EP pass the ASTM D 1743 bearing corrosion test.
- **High water resistance**
- **Extended service lubrication**

FEATURES

Chevron Ultra-Duty Greases EP are versatile, multipurpose extreme pressure greases with high adhesive properties designed for a wide variety of automotive and industrial applications.

They are manufactured using selected highly refined, high viscosity base oils, a lithium-12 hydroxystearate thickener, rust and oxidation inhibitors, and extreme pressure and tackiness additives. They are red in color and stringy in texture.

Chevron Ultra-Duty Greases EP provide thicker shock-absorbing oil film protection and greater water resistance than conventional multipurpose greases due to their high viscosity components.

The high viscosity components and tackiness additive give Chevron Ultra-Duty Greases EP an excellent adhesive quality which provides a tenacious lubricating film in working parts. The lubricants stay in place under severe abrasive operating conditions to resist water washout and shock load wear.

The outstanding tackiness characteristics of Chevron Ultra-Duty Greases EP make these products somewhat harder to pump than the historical soft, buttery greases. For this reason, we recommend the use of a heavy follower plate with air-driven grease pumps.

Chevron Ultra-Duty Greases EP lubricate well at low temperatures. The ASTM D 1478 low temperature torque test shows that they retain their lubricating capacity, as defined by military specification MIL-G-81322, down to about -26°C (-15°F).

APPLICATIONS

Chevron Ultra-Duty Greases EP are recommended for use in automotive and industrial equipment operating under severe service except where very high operating temperatures are encountered. Typical applications are: mining equipment, construction equipment, material handling equipment, marine deck equipment, marine deck cranes, oil field equipment, offshore drilling equipment, paper machines, dredging equipment, logging equipment, rock quarry equipment, etc., operating in water, mud, or dusty conditions.



Chevron Ultra-Duty Greases EP will provide the needed shock load and rust protection and, best of all, they stay put which means less frequent regreasing. They are not our primary recommendation for high temperature wheel bearings. Chevron Delo® Greases EP, Chevron RPM® Automotive LC Greases EP, or Chevron Black Pearl® Greases EP are preferred for wheel bearing applications.

In industrial service, Chevron Ultra-Duty Greases EP are recommended for use in all types of plain and antifriction bearings from 1-1/2 inch OD to over 16 inch OD, operating at speeds from 50 to 3000 rpm, as well as slides, gears, ways, etc.

TYPICAL TEST DATA

NLGI Grade	0	1	2
Product Number	238013	238012	238011
MSDS Number	6790	6790	6790
Operating Temperature, °C(°F)			
Minimum ¹	-26(-15)	-26(-15)	-26(-15)
Maximum ²	132(270)	138(280)	143(290)
Penetration, (Worked 60 Strokes) at 25°C (77°F)	370	325	280
Dropping Point, °C(°F)	172(342)	172(342)	190(374)
Four Ball Weld Point, kg	315	315	315
Four Ball Wear Scar, mm	0.45	0.45	0.45
Timken OK Load, lb	55	70	70
Water Washout, wt%	15	10	7
Water Spray-off, wt%	n/a	40	25
Lincoln Ventmeter, psig at 30 s, at			
75°F	100	100	280
30°F	200	400	600
0°F	1700	1750	2500
Thickener, %	5.6	7.2	8.6
Type	Lithium	Lithium	Lithium
ISO Viscosity Grade, Base Oil Equivalent	460	460	460
Viscosity, Kinematic*			
cSt at 40°C	400	400	400
cSt at 100°C	24.3	24.3	24.3
Viscosity, Saybolt*			
SUS at 100°F	2160	2160	2160
SUS at 210°F	121	121	121
Viscosity Index*	76	76	76
Flash Point, °C(°F)*	274(525)	274(525)	274(525)
Oil Separation, mass %	5	4	2
Texture	Stringy	Stringy	Stringy
Color	Red	Red	Red

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

- 1 Minimum operating temperature is the lowest temperature at which a grease, already in place, could be expected to provide lubrication. Most greases cannot be pumped at these minimum temperatures.
 - 2 Maximum operating temperature is the highest temperature at which the grease could be used with frequent (daily) relubrication.
- * Determined on mineral oil extracted by vacuum filtration.