



# CHEVRON SRI GREASE

## NLGI 2

### CUSTOMER BENEFITS

Chevron SRI Grease NLGI 2 delivers value through:

- **Wide application range** — Suitable for high rpm operation, operating temperatures ranging from -29°C to 177°C (-20°F to 350°F).
- **Excellent oxidation stability** — Provides exceptional bearing life at operating temperatures in the range of 93°C to 177°C (199°F to 350°F).
- **Excellent rust protection** — Provides exceptional rust protection as defined by ASTM D1743-73 with 5% Synthetic Sea Water.

### FEATURES

Chevron SRI Grease is a high temperature ball and roller bearing grease.

It is formulated with ISO SYN® base stocks, a modern ashless, organic polyurea thickener coupled with high performance rust and oxidation inhibitors (the latter to provide superior rust protection in severe applications that many electric motors applications are exposed to in field operations). Its texture is smooth and buttery and its color is dark green.

As noted, Chevron SRI Grease NLGI 2 passes the Bearing Rust Test, ASTM D1743-73 with 5% synthetic sea water. These properties help to provide longer bearing life under high speed and high temperature operation than most other widely used antifriction bearing greases. High Temperature Bearing Life, ASTM D3336, testing shows that the life of a 204 K bearing lubricated with Chevron SRI Grease NLGI 2 and operating at 150°C (302°F) and 10,000 rpm is about 3,000 hours. This is nearly 10 times the life possible when using conventional lithium greases. Under normal operating temperatures and conditions, Chevron SRI Grease NLGI 2 can be used as a "Life Pack" lubricant in sealed bearings.

Note that in today's more modern, high output (horsepower), high load electric motors, there are times where these units employ ball bearings and roller element bearings on the same motor. On units where horsepower and load are considered high on the roller element bearing, EP greases should be employed. In these instances, Chevron Black Pearl® Grease EP would be the grease of choice and is fully compatible to use with Chevron SRI Grease.

### APPLICATIONS

Chevron SRI Grease NLGI 2 is recommended:

- for use in a wide range of automotive and industrial applications
- for use in antifriction bearings operating at high speeds (10,000 rpm and greater)
- where the operating temperatures are on the order of 150°C (302°F) and higher
- where there is a likelihood that water or salt water will get into the bearings

It performs satisfactorily in bearings at temperatures as low as -29°C (-20°F).

Applications where Chevron SRI Grease will outperform most other greases include:

- As a "Life Pack" lubricant by manufacturers of automotive generators, alternators, and starters to protect against the effects of moisture and road-splash (factory-filled for life ball bearings)
- Bearings on air-conditioning units in homes and other buildings
- Unsealed electric motor bearings operating under moist conditions
- Applications where silent operations are beneficial

Original Equipment Manufacturers that specifically recommend Chevron SRI Grease NLGI 2 are:

- **Bearing manufacturers:** NSK, NTN, FAG, NMB, and Koyo.
- **Electric motor manufacturers:** Reliance Electric Company, U.S. Motors Division of Emerson Electric Company, Toshiba International, and Lincoln Motors.

Chevron SRI Grease NLGI 2 is certified by NSF and is acceptable as a lubricant 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

<b>NLGI Grade</b>	<b>2</b>
<i>Product Number</i>	254504
<i>MSDS Number</i>	6979
Operating Temperature, °C(°F) Minimum <sup>1</sup> Maximum <sup>2</sup>	-30(-22) 177(350)
Penetration, at 25°C(77°F) Unworked Worked	255 280
Dropping Point, °C(°F)	243(470)
High Temperature Life, hours at 177°C(350 F), ASTM D 3336	600
Lincoln Ventmeter, psig at 30 s, at 75°F 30°F 0°F -22°F	225 425 750 ◆
Thickener, % Type	8.0 Polyurea
ISO Viscosity Grade, Base Oil Equivalent	100
Viscosity, Kinematic* cSt at 40°C cSt at 100°C	116 12.3
Viscosity, Saybolt* SUS at 100°F SUS at 210°F	606 69.0
Viscosity Index*	97
Flash Point, °C(°F)*	260(500)
Pour Point, °C(°F)*	-15(+5)
Texture	Smooth, Buttery
Color	Dark Green

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.
- ◆ Not tested at this temperature
  - \* Determined on mineral oil extracted by vacuum filtration.