



SRI GREASE 2



SRI Grease 2 is Chevron's preferred electric motor bearing grease.

High Temperature Electric Motor Grease

It is formulated with highly refined 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.

Customer Benefits

Chevron SRI Grease 2 delivers value through:

- **Wide application range**
Suitable for high rpm operation, operating temperatures ranging from -30° C to 177° C (-22° 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 Bearing Rust, ASTM D5969 using 10% Synthetic Sea Water. Also does extremely well on the Dynamic Bearing Rust (EMCOR) Test, ASTM D6138 using 10% Synthetic Sea Water.

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As noted, Chevron SRI Grease 2 passes the Bearing Rust Test, ASTM D5969 with 10 percent 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 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 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 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 bearing components

It performs satisfactorily in bearings at temperatures as low as -30°C (-22°F).

Applications where Chevron SRI Grease 2 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

Chevron recommends SRI Grease 2 to be used in the following OEM products:

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



Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.



Typical Test Data

| | |
|--|-----------------|
| Product Number | 254521 |
| SDS Number | 35940 |
| Operating Temperature, °C(°F) | |
| Minimum ^a | -30(-22) |
| Maximum ^b | 177(350) |
| Penetration, at 25°C(77°F) | |
| Unworked | 255 |
| Worked | 280 |
| Dropping Point, °C(°F) | 243(470) |
| High Temperature Life, Hours at 177°C(350°F), ASTM D3336 | 750+ |
| Lincoln Ventmeter, Psig at 30 s, at | |
| 75°F | 225 |
| 30°F | 425 |
| 0°F | 750 |
| Thickener, % | 8.0 |
| Type | Polyurea |
| Iso Viscosity Grade, Base Oil Equivalent | 100 |
| Viscosity, Kinematic* | |
| cSt at 40°C | 116 |
| cSt at 100°C | 12.3 |
| Viscosity, Saybolt* | |
| SUS at 100°F | 606 |
| SUS at 210°F | 69.0 |
| Viscosity Index* | 97 |
| Flash Point, °C(°F)* | 260(500) |
| Pour Point, °C(°F)* | -15(+5) |
| Texture | Smooth, Buttery |
| Color | Dark Green |

a 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.

b 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.

Minor variations in product typical test data are to be expected in normal manufacturing.

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For more information, go to www.chevronlubricants.com

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