

Premium Water Resistant, High Temp. Ca. Sulphonate Grease

Description:

IT-4319 is high temperature water resistant multi-use grease for lubrication of the ball and rolling bearings subjected to high/shock loads. It is suitable for lubrication over wide temperature range of – 10 °C to 180 °C. Using select additives which impart exceptional load carrying abilities, the grease is formulated to resist high shock loads and has high lubricating properties which results in extended cycling times and cost reduction

Examples of Application:

To minimize friction and wear on mechanisms operating under operating conditions such as high loads, temperature, water, alkaline environment etc. It has the capability to prolong re-lubrication intervals and minimise wear in many industrial applications.

IT-4319 has excellent pumpability characteristics making it especially suitable for centralized lubrication systems of large industrial units. It is also recommended for wide range of industrial applications where high temperatures are encountered. It is ideal for steel plant applications such as continuous casters, couplings, oscillators, run out rolls, blowers etc. It is also suitable for mining industries for applications such as rock crushers, conveyor, drilling machinery as well as Rotary Kiln in Sponge Iron Industry etc.

Benefits:

IT-4319 is resistant to mechanical stress and therefore beneficial to machine parts subjected to vibrations & loads. Excellent oxidation stability makes IT-4319 an ideal long-term lubricant. It displays good sealing properties and protects mechanisms from dust, humidity or contamination. The grease is also good for thermally stressed roller bearings. This grease is characterized by high dropping point, excellent oxidation stability, EP property, and unique reversible viscosity temperature behavior as well as good pumpability.

Attributes:

- Very high temperature application
- Excellent water resistance
- Very good EP characteristics
- Good mechanical stability
- Good pumpability
- Low consumption

Characteristic data:

Sr. No	Description Units	Test Method	IT-4319
1	Thickener Type		Calcium Sulphonated Complex
2	Texture	Smooth	
3	Worked Penetration @ 25 ⁰ C	P : 60	320
4	Drop Point 0C	ASTM D 2265	330
5	Base Oil Viscosity cSt a@ 40 ⁰ C	ASTM D 445	330
6	4 Ball Weld load	IP: 239	4000 Kg
7	Operating temperature range		- 10 to +180 °C

Method of Use:

- As usual with Greases
- Clean & Degrease lubrication points
- Refer to recommendations of the bearing manufacturer