

CASSIDA GREASE LTS 1

Case Study



CASSIDA

CASSIDA GREASE LTS 1

Synthetic low temperature grease for food and beverage processing equipment



- Problem solver for low temperature applications to -50°C
- Good water resistance
- Good oxidation and mechanical stability
- Effective corrosion prevention characteristics
- Neutral odour and taste
- ISO 21469 certified
- NSF H1 registered

Kosher certified



Halal certified



In Partnership with



NSF registered
ISO certified



Nonfood Compounds
Program Listed
ISO 21469 certified

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Customer

The customer is a one of world's leading food and beverage manufacturers, a true global giant and proprietor of some of the world's most well known brand names. As a supplier of reputation and quality, the company had made a conscious decision to employ a rigorous food safety policy and use only food grade lubricants throughout its manufacturing process.

Application Requirements

As part of its portfolio, the customer supplies freeze dried coffee. The basic principle of freeze drying is the removal of water by sublimation. Although it is sometimes more expensive, it generally results in a higher quality product.

Agglomerated wet coffee granules are rapidly frozen and frozen coffee is placed in the drying chamber, often on metal trays. During this process, lubricants can be subjected to temperatures below -50°C necessitating a high quality lubricant to ensure process efficiency.

The customer was experiencing issues with competitor products, including the hardening of grease, and difficulties in pumping, resulting blocked bearings and ultimate failure. These issues created excessive downtime costs and replacement bearing costs that the customer was looking to remove.

The Solution

Following an application review by the CASSIDA Technical Support Team, CASSIDA GREASE LTS 1 was recommended.

In testing against two competitor NSF H1 greases, also with low temperature properties, the CASSIDA GREASE LTS 1 was found to have the highest level of stability at the extreme temperatures of -57°C, exceptional lubrication characteristics, easy pumpability as well as providing the necessary reliability for the manufacturing facility.

CASSIDA GREASE LTS 1 was adopted as the preferred lubricant of choice for lubrication points on the grinder, mill, sieve, rotary blades, vibro conveyor and vacuum tunnel.

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