

CASSIDA GREASE GTX 2

Case Study

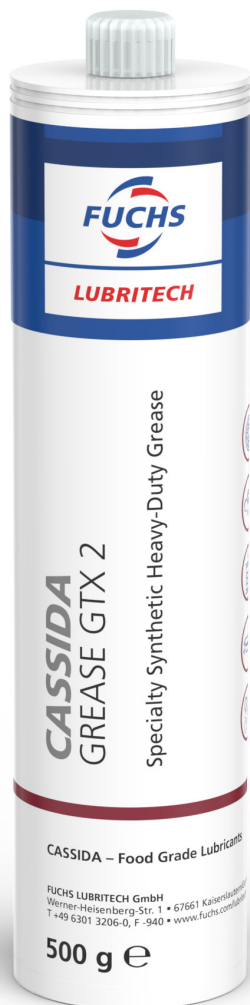


LUBRITECH
Special Application Lubricants

CASSIDA

CASSIDA GREASE GTX 2

Speciality synthetic, heavy duty grease, based on calcium sulphonate complex thickener for use in food and beverage applications



- Excellent extreme pressure and anti-wear properties
- Superior mechanical stability particularly in the presence of heat and water
- Excellent corrosion prevention properties
- Enhanced resistance to water washout
- High dropping point
- Neutral odour and taste
- ISO 21469 certified
- NSF H1 registered
- Temp Range -35°C to +180°C

NSF registered
ISO certified

Kosher certified



Halal certified



In Partnership with



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Customer

The customer is a private company, an international producer and marketer of food, agricultural, financial and industrial products and services. At one of the UK facilities they produce a full range of milk and plain chocolate, on a nominal 25,000 to 30,000 tonne line, using traditional double (roll) refining and overthrow conching.

Application Requirements

The company was experiencing significant reliability problems with the bearing on the main drive shaft on conche mixers. A conche is a surface scraping mixer and agitator that evenly distributes cocoa butter within chocolate. It promotes flavour development through frictional heat and release of volatiles and acids, and oxidation and the name arises from the shape of the vessels initially used, which resembled conche shells.

The bearing had previously been lubricated by a grease marketed as "a high performance EP grease, fortified with PTFE, particularly for high speed and temperature applications". Failure of each conche was estimated to cost the company £17,000 and the company utilises 6 conche mixers. 2 conche mixers has experienced failure through lack of adequate lubrication. Problems such as pitting due to welding, broken cages and weld spots on taper rollers were being reported.

The Solution

Following an application review by the CASSIDA Technical Support Team, **CASSIDA GREASE GTX 2** was recommended. Since changing to **CASSIDA GREASE GTX 2**, the customer has experienced significant improvements in operational reliability and elimination of failures related to lubrication.

These results can be attributed to the superior mechanical stability of the thickener in the **CASSIDA GREASE GTX 2**; and its ability to provide effective extreme pressure and anti-wear protection.

In addition to this, lubricant usage cost savings per kilo were recorded as well as reductions in volumes consumed and maintenance activities.

Kosher certified



Halal certified



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NSF registered
ISO certified



Nonfood Compounds
Program Listed
ISO 21469 certified