

# CASSIDA GREASE HD 2

## Case Study



# CASSIDA

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Speciality semi-synthetic, heav duty grease for food and beverage processing equipment.



- Particularly suited to animal feed presses
- Designed for slow and medium speed plain rolling element bearing and those subject to heavy and shock loaded conditions
- Good wash out resistance to hot and cold water
- Good oxidation and mechanical stability
- Good corrosion prevention properties
- Good adhesive properties
- Temp range -10°C to +140°C
- 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 leading European agricultural producer. Its four main divisions include dairy products, deli & cured meat, poultry and animal feed. At one of the animal feed pellet producing facilities they produce feed for animals such as chicken, cows, pigs, horses, ducks and fish.

### Application Requirements

The feed pellet plant demands controlled cleanliness and sanitation of pellets, therefore the production requires a "food grade" grease.

The company was experiencing significant reliability problems with the main bearing on each the five presses they operated (3 x CPM and 2 x Buhler Presses). The main bearings in pellet presses are subject to heavy loads, high forces and a dusty working environment, making the selection of an appropriate grease crucial.

The bearing had been previously lubricated by a food grade grease, but the customer was not satisfied with the bearing life, of around 3 months, which was being achieved. Failure of each bearing due to extensive wear was creating additional downtime and costs.

### The Solution

Following an application review by the CASSIDA Technical Support Team, FM GREASE HD 2 was recommended. Since changing to FM GREASE HD 2, the customer has experienced significant improvements in operational reliability and elimination of failures related to lubrication. Bearing life was subsequently extended from 3 months to 15 months, whilst lubricant volumes remained unchanged at 600kg per bearing.

**Annual saving on bearing cost per press**      £3,360 (4 bearings per press. Bearing cost of £280.  
Number of bearings reduced from 16 per annum to 4 per press)

**Total annual saving across the 5 presses**      £16,800 (5 x £3,360)

**Cost of lubricant saving**      £180 (annual demand 3000 x £0.06 per kilo cost saving)

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