



FOOD GRADE LUBRICANTS FOR ANIMAL FEED PROCESSING

FUCHS Cassida and FUCHS FM H1 Food Grade Lubricants



ISO 21469 Certified

The role of animal feed in the production of safe food is recognised worldwide. Animal feed must now meet globally accepted standards (such as GMP+/PDV, applicable to feed production, transportation and trade, and FAMI-QS, applicable to feed pre-mixtures and the production of additives). Ever tightening legislation to safe guard the human chain is placing greater responsibility on the manufacturer for feed quality and safety. The FUCHS Cassida and FM food grade lubricants ranges can help manufacturers reduce the risk of contamination whilst providing excellent performance.



Why Use Food Grade Lubricants?

Ensuring safe animal feed is vital for minimising food safety hazards. Whilst lubricant leaks are rare, when they do happen it can be very costly if food grade lubricants have not been used. FUCHS Cassida and FM food grade lubricants help to ensure safe and efficient food production whilst providing protection for your brand and reputation. The application guide, overleaf, details where food grade lubricants need to be used to ensure safe animal feed manufacturing.

One of the main features of the Good Manufacturing Practice (GMP) regulations is the application of the Hazard Analysis of Critical Control Points (HACCP) system in order to guarantee safety. To ensure HACCP compliance, only food grade lubricants should be used where there is the potential for lubricant contact with food.



Know the Limits

By using non-food grade lubricants manufacturers are increasing the risk of producing contaminated animal feed which can result in product recalls, plant closures, health risks and litigation.

- ✗ Use of ordinary mineral grade lubricants can contribute to producers exceeding the permissible contamination limit, as specified by the US Federal Drug Administration (US FDA) of 10 parts per million.
- ✗ Industrial oils can contain high levels of dioxins which exceed the permissible level of 0.75 nanograms of dioxin per 1kg of fatty acids used in animal feed.

Performance and Safety

The FUCHS Cassida and FM ranges have been developed to meet the stringent requirements of the food, beverage and animal feed industries. The FM and Cassida ranges are NSF H1 approved as well as being ISO 21469 certified.

For safety reasons, FUCHS recommends the use of food grade lubricants, particularly in pellet press bearings and hammer mills. These areas pose increased risk due to their close proximity to the feed and the potential danger of contamination to the finished pellets. The FUCHS Cassida and FM ranges specifically help feed producers to comply with the EU feed regulations whilst actively preventing wear in critical machinery components.

Use the Right Lubricants

In a hostile feed processing environment of dust, heat and humidity, contamination and operating problems can be a concern - the FUCHS food grade lubricants range is the solution to these problems. Some of the main products are:

- ✓ FUCHS FM Grease HD 2 for pellet press bearings
- ✓ FUCHS Cassida fluids GL and WG for gearboxes

The main benefits experienced from **FUCHS FM Grease HD2** include:

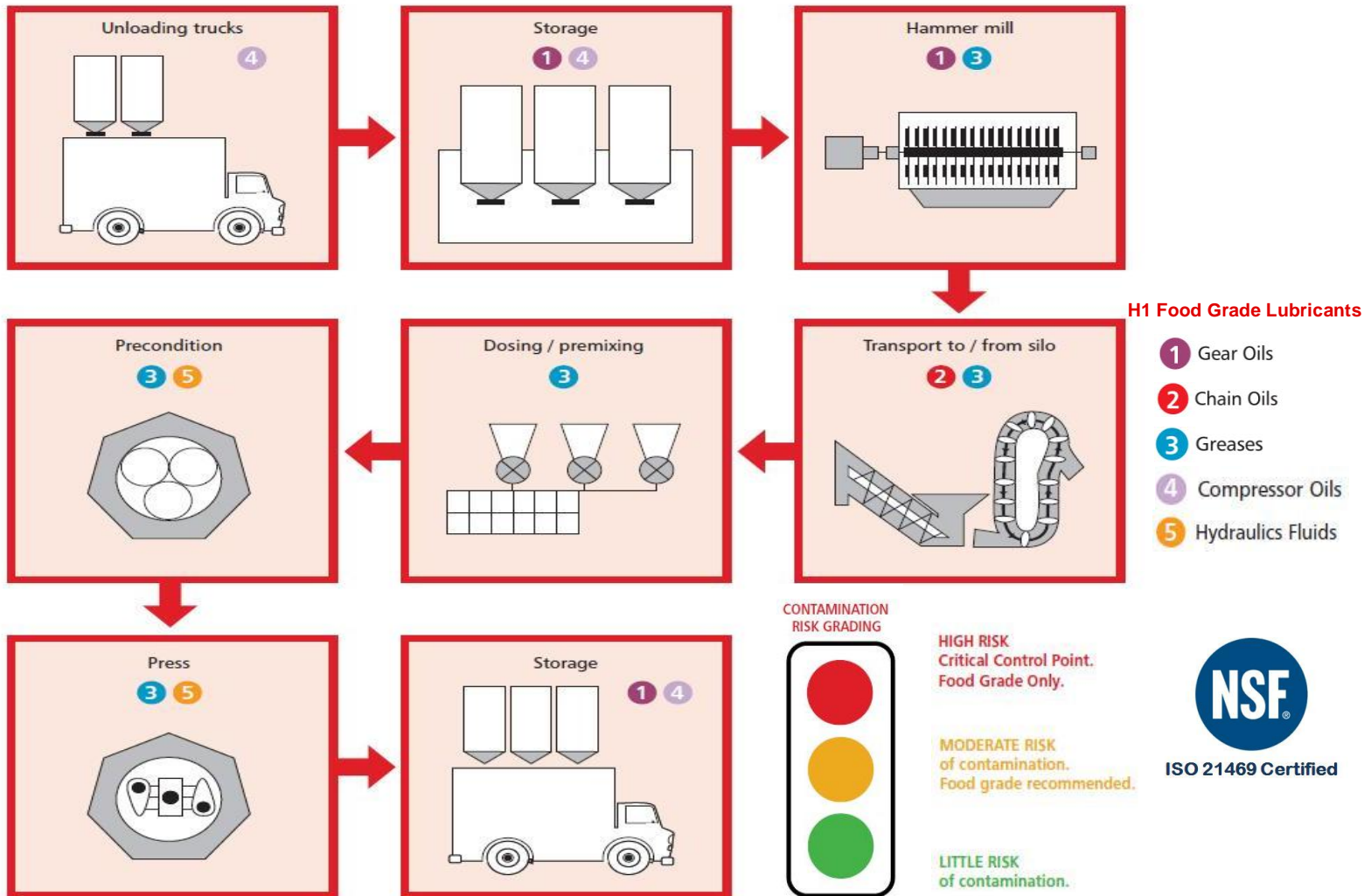
- ✓ Reduced maintenance costs
- ✓ Compliance with global food safety standards with regards to lubrication
- ✓ A decrease of grease consumption and an extension of bearing life

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CASSIDA
food grade lubricants

Animal Feed Processing – Food Grade Lubricant Application Guide



1 Gear Oils

FUCHS Cassida Fluid GL and WG Series

High performance, synthetic, anti-wear food grade gear oils for the lubrication of almost all enclosed gearboxes found in the food, beverage and animal feed industries. The FUCHS Worm Gear (WG) series results in high worm gear efficiency due to exceptional low friction properties.

2 Chain Oils

FUCHS Cassida Chain Oils

(150, 1000, HT)

FUCHS Cassida Chain Oil 150 and 1000 are fully synthetic, high performance, anti-wear chain oils with excellent adhesive properties to minimise 'fling off' and 'wash off'. For high temperature applications, FUCHS Cassida Chain Oil HT is the ideal lubricant.

3 Greases

FUCHS FM Grease HD

Highly recommended is the FUCHS FM Grease HD 2 which offers reduced grease consumption and superior pumpability. Specially designed for outstanding performance in total loss lubrication systems in such machines as pellet mills found in the animal food and pet food industries.

4 Compressor Oils

FUCHS Cassida Fluid CR

Fuchs Cassida CR fluids are high performance lubricants specially designed for use in rotary screw and vane air compressors used in the food and packaging industry. The FUCHS Cassida Fluid CR works well with high temperatures as well as with temperatures down to -40°C.

5 Hydraulics Fluids

FUCHS Cassida Fluid HF

FUCHS Cassida Fluid HF is a high performance, anti-wear lubricant, specially developed for machinery used in the food, beverage and animal feed industries. With excellent water separation and corrosion prevention properties, the use of FUCHS Cassida Fluid HF can increase equipment life.

FIND OUT MORE:

For further information about FUCHS Cassida high performance food grade lubricants, please contact your local field sales representative or our customer services department.

Why not visit us at: www.fuchslubricants.com/cassida