

FOODLUBE® Hi Load SF

Performance you can trust

CUSTOMER

Leading pharmaceutical OEM

APPLICATION DETAILS AND BACKGROUND

An original equipment manufacturer (OEM) of handling and processing equipment supplied in to the food and pharmaceutical industry.

Part of the equipment is a high-speed gearbox as can be seen in the photos.

This particular gearbox was experiencing premature failure. ROCOL were brought in to investigate why.

Analysis carried out showed that the operating temperature was high, the noise was excessive, and the grease was not staying on the gear teeth. These three factors meant that excessive wear was being generated on the gear teeth.

ROCOL had been developing a new semi fluid grease and decided that this was a perfect opportunity to trial the product in a real-world application. A controlled trial was set up and ran for a total duration of 50 hours.

BENEFITS

The gearbox running temperature was reduced by 15°C – a considerable reduction.

Which means: Much less wear is generated, and the gearbox will run more efficiently and effectively saving time and money in gearbox refits/ replacements.

The gearbox also ran a lot quieter, the noise was reduced by 15db

Which means: The impact on noise pollution will be a significant health and safety improvement. Especially when multiplied across all gearboxes used in the facility

BENEFITS

“The gearbox trial ran for 50 hours with Foodlube Hi Load SF and we didn’t notice any changes in the temperature or noise which is a real positive. We have had quite a lot of gearbox failures in the past where the gears have mashed together, and the bearings destroyed and now using Foodlube Hi Load SF we feel that with the moving parts will constantly be lubricated dramatically reducing the risk of failure.”

Quality Engineer

