

Challenge

Background

A significant oil separation (bleeding) within three days of application was observed in the competitor's grease product when applied to an oven fan motor. The bearing was located in hard to access areas. At times, the bearings were not properly lubricated.

The maintenance shop changes bearing once a year in scheduled maintenance. The customer's objective:

- Identify a well-performing lubricant to extend the lifespan of the bearings
- Generate savings in grease consumption and labor time
- Automate lubrication procedure due to the hard-to-reach location of the bearing



Oven fan motor before service.

Solution

Product

Chesterton® 630 SXCF Grease was proposed. This grease has a very low oil separation rate and is suitable for high RPM electric motor bearings.

At the same time, **Chesterton Lubri-Cup**, automatic grease dispenser, was recommended to eliminate the safety issues associated with the motors that are located in hard to reach places.



Chesterton 630 SXCF and Lubri-Cup EM.

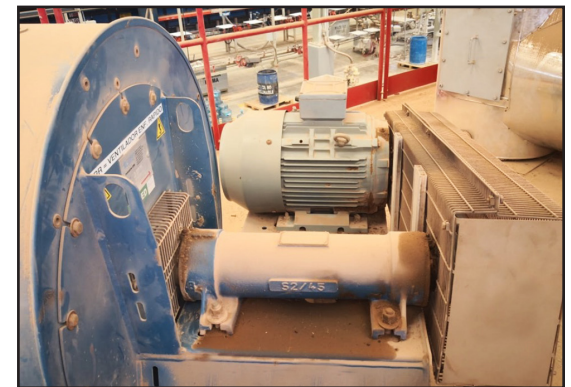
Results

Feedback

Three and a half months after the installation, the **630 SXCF Grease** showed no oil separation in the bearings. Vibration analysis indicates superior performance compared to past grease program.

The **Lubri-Cup** is lubricating the bearings every day in precise amounts.

With the success of **630 SXCF** grease and **Lubri-Cup EM**, the customer decided to implement the Chesterton's electric motor bearing solution on Induction draft and forced draft fan motors, combustion systems, Primary and secondary cooling equipment.



Oven Fan Motor with Chesterton Lubri-Cup EM.