

CASE STUDY: SAPPHIRE PREMIER – DNM

Performance you can trust

Customer/Location

DNM Textile, a company specialising in spinning, weaving, and dyeing, is located in Damietta, Egypt.

Background

Previously, the customer faced the challenge of frequent bearing failures despite lubricating the bearings twice a week using Kluber BEM 34-132.

Application

The bearings in use were ball bearings operating at speeds ranging from 2,300 to 3,500 RPM. The temperature in the application exceeded 50°C, and the environment was corrosive. The bearings were subjected to continuous operation, working 24/7.

Challenge

Despite regular lubrication, the customer experienced bearing failures on a monthly basis, causing disruptions and maintenance issues.

The ROCOL Solution

ROCOL recommended the use of Sapphire Premier for the application. Additionally, the customer was advised to increase the re-lubrication interval to assess the outcome.

Customer Feedback

The implementation of Sapphire Premier exceeded expectations, demonstrating superior performance compared to the previously used lubricant. By lubricating the bearings once every two weeks with Sapphire Premier, the following benefits were observed:

- a) Downtime reduced by a factor of four,
- b) Reduced re-lubrication frequency,
- c) Elimination of bearing failures, and
- d) A significant reduction of approximately 75% in the maintenance budget.

The adoption of ROCOL's Sapphire Premier lubricant not only addressed the challenge of frequent bearing failures but also resulted in improved operational efficiency and cost savings for DNM Textile.