

APPLICATION

Film Extrusion Line Bearings

Plastics Company Stops Bearing Failures with Single Point Lubricators & LE Oil

CUSTOMER TESTIMONIAL

Plastics Company

CHALLENGE

Frequent bearing failures leading to costly repairs and downtime

SOLUTION

Xport™ Single Point Lubricators & H1 Quinplex® Synthetic Food Grade Oil (4032)

RESULTS

- Eliminated bearing failures
- Reduced labor for repairs
- Increased uptime and production

Customer Profile

Located in the Southeast U.S., this global multi-billion-dollar public corporation manufactures plastic packaging and protective solutions. It's film extrusion plant operates around the clock. The maintenance manager of this facility is a strong believer in LE products and services.

Application

The plant's Film Extrusion line with a total of 72 bearings in operation.

Challenge

Using an OEM-recommended lubricant and manual lubrication, the plant was experiencing an average annual bearing failure rate of 25 percent. The machine was running full speed with minimal planned downtime for machine lubrication. Replacing the bearing costs approximately \$250 for the bearing plus the expense of two maintenance employees working two hours to do the repair, in addition to the lost production from downtime. The maintenance manager was searching for a cost-saving, uptime-enhancing solution that would increase the reliability and lifespan of the bearings on the extrusion line.

Results

In April 2015, film extrusion line was converted to use the Xport lubricators with H1 Quinplex 4032. After 16 months of continuous operation, there have been no recordable bearing failures on this line. Bearing drag tests have shown no ill effects and the machine has operated smoothly and seamlessly with no increase in bearing temperatures.

Along with improving the reliability of this machine, The maintenance manager was able to focus his men elsewhere in the plant. He is very pleased with the ability to have "an extra tool in his toolbox" with Lubrication Engineers as a strategic partner.



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LE Solution

Chris Nowlen, LE lubrication consultant, recommended Xport Single Point Lubricators filled with LE's H1 Quinplex Synthetic Food Grade Oil (4032). Xport SPLs automatically supply adequate lubrication to bearings, with less manpower needed for application, and less possibility of over- or under-lubrication. H1 Quinplex 4032 contains LE's proprietary additive, Quinplex®, an impact-resistant additive that contributes to outstanding water resistance, tackiness and enhanced mechanical stability, and helps to form a barrier against corrosion.

Thank you to Chris Nowlen, LE consultant (pictured), and Nathan Polk, maintenance manager, for providing the information used in this report.



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1919 E. Tulsa | Wichita, KS 67216

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