

1299 ALMAPLEX[®] Ultra-Syn Lubricant

Corrugating Customer, Atlanta, GA

Peters Corrugator • Corrugated & Solid Fiber Boxes

- ▶ **Water Contamination Eliminated**
- ▶ **Cost of Lubricants Decreased**

CUSTOMER PROFILE

This Lubrication Engineers[®], Inc. customer is the largest independent box producer in the southeast. They operate four manufacturing locations in three states. They provide custom packaging in multi-color formats. They have been in business 19 years and an LE customer for more than 10.

APPLICATION

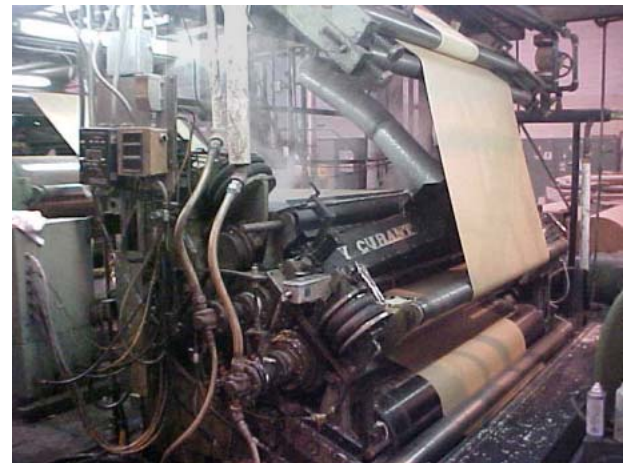
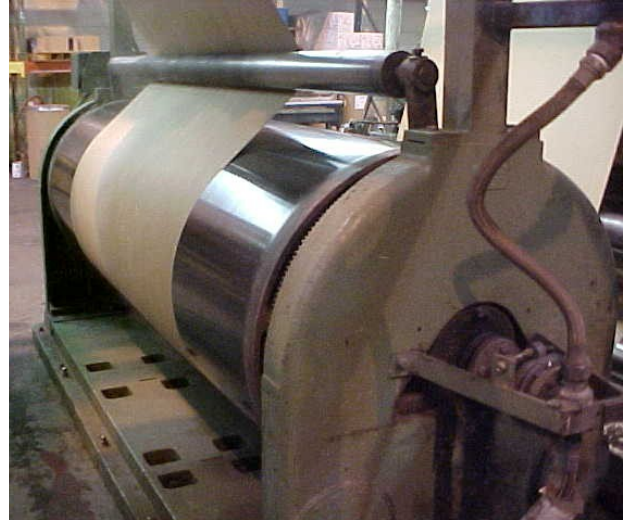
This company uses a Peters Corrugator to corrugate cardboard for the manufacturing of boxes. This unit has 360°F-380°F (182°C-193°C) superheated steam passing through the journals of these 12" tapered roller bearings.

AREA OF INTEREST

This unit was experiencing high amperage and the cost to lubricate the corrugators tapered roller bearings was more than \$120.00 per pound of lubricant. Another concern was the problems occurring from water contamination on the glue rolls.

LE SOLUTION

LE's 1299 ALMAPLEX[®] Ultra-Syn Lubricant was first employed for use on the corrugator's pre-heat rolls. Due to the success of the product, it was installed



on the corrugator tapered roller bearings. LE's 1299 is a full synthetic, specially formulated Aluminum Complex grease. LE's 1299 is made with a special blend of 100% synthetic base fluids optimized for the ISO 460 viscosity grade range for excellent performance under extreme

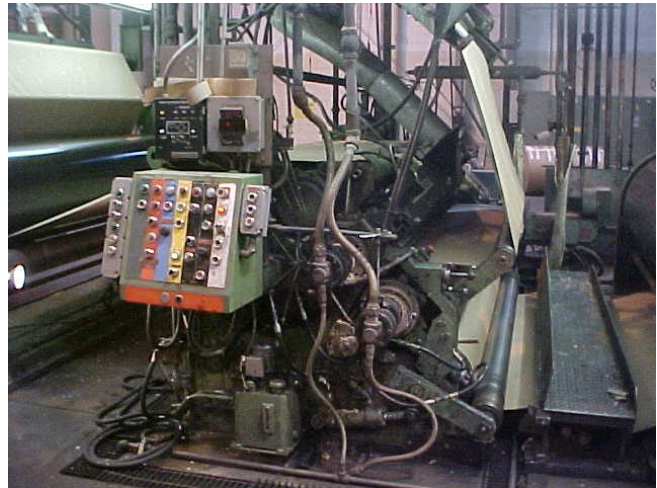
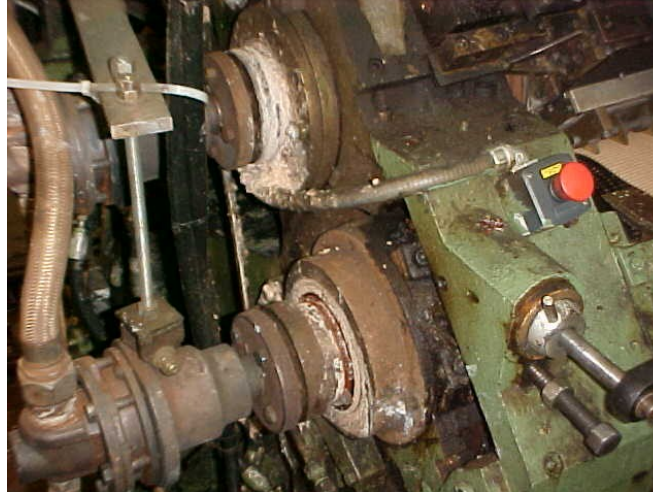
equipment operating conditions. It also contains ALMASOL[®], LE's exclusive wear-reducing additive.

LE's 1232 ALMATEX[®] General Purpose Lubricant is used for all cold bearings on the converting end of the process.

CUSTOMER COST SAVINGS

The customer noticed the amperage decrease on this unit after the conversion to 1299. Since LE's 1299 stays in place, less lubricant is needed therefore dropping their overall lubricant costs approximately 30%. Running a 24 hour shift, they grease one time using 8-10 shots per bearing. Since 1299 was already being utilized in this plant there are less lubricants to stock. 1299 has also eliminated the concern with the glue rolls. 1299 keeps water out so there is no worry for water contamination.

The Maintenance Manager stated, ***"Since using LE for over 10 years, we have a lot of faith in your grease's ability to hold up to extremes of heat, moisture and load."***



Lubrication Engineers Inc. would like to thank Lubrication Consultant Blake Yates for providing the information used to prepare this report.



Blake Yates