

# 1250 ALMASOL® HIGH TEMPERATURE LUBRICANT

SGL CARBON FIBRES, LLC, Evanston, Wyoming

Oven Stage Roller Bearings • SIC 2895 Carbon Black

CUSTOMER TESTIMONIAL

- **75% REDUCTION IN GREASE CONSUMPTION**
- **ELIMINATED BEARING FAILURES**
- **ESTIMATED SAVINGS OF \$161,616 TO \$200,020 PER YEAR**

## CUSTOMER PROFILE

SGL Carbon Fibres, LLC manufacture carbon fiber for use in the aerospace, automotive, marine and sporting goods industries. They have been in business since 1998 and an LE customer since 2004.

## APPLICATION

They use a proprietary oven to manufacture the carbon fiber. Each stage has 55 roller bearings to support the carbon strands as they pass through each heat treatment stage. Temperatures can exceed 400°F (204°C) at some of the oven stages.

## AREA OF INTEREST

While using a commercial grade lubricant, SGL Carbon Fibres were experiencing:

- 16 to 20 bearing failures per year
- Excessive grease consumption
- Cleanup and safety concerns of runny grease

## LE SOLUTION

LE Lubrication Consultant Mike Carter recommended 1250 ALMASOL® High Temperature Lubricant. LE 1250 is for use where a high temperature grease is required. It contains ALMASOL®, LE's exclusive wear-reducing additive.

## CUSTOMER COST SAVINGS

Prior to using 1250, weekly greasing of each bearing was necessary at 10-15 shots

*We would like to thank Maintenance Manager Dan Velikaneye and LE Lubrication Consultant Mike Carter (pictured) for the information provided to prepare this report.*

per bearing. Monthly greasing is now the normal grease cycle resulting in at least **75% reduction in grease consumption.**

Less clean up of the area around the roller bearings and a safer work environment is also a benefit of 1250.

Normal bearing failure and replacement was at 16-20 bearings per year. Since the conversion to LE 1250, there have been **no bearing failures.**

Bearings cost \$350 each  
Labor cost \$691 per bearing  
800 lbs of product lost at \$8,560  
Cleanup cost 4-5 hours per week with the prior grease = \$8,000 a year

**Total savings per year are estimated at \$161,616 to \$200,020 using LE 1250!**

Maintenance Manager Dan Velikaneye stated, "LE 1250 has saved us a lot of money, increased uptime and made my life a lot easier."

## OTHER PRODUCTS USED

- ⇒ 604 ALMASOL Vari-Purpose Gear Lubricant
- ⇒ 1275 ALMAPLEX® Industrial Lubricant
- ⇒ 2001 MONOLEC® Wire Rope Lubricant
- ⇒ 5100 PYROSHIELD®
- ⇒ 6802 MULTILEC® Industrial Oil
- ⇒ 8440 MONOLEC® GFS Engine Oil
- ⇒ 8530 MONOLEC® SPB Engine Oil
- ⇒ Oil Safe



Based on actual user experience. Individual results may vary. Product used not intended to supersede manufacturer's specifications.

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