

Customer Testimonial



Almasol® High Temperature Lubricant (1250-1251)

SGL Carbon Fibres, LLC – Evanston, Wyo.

Oven Stage Roller Bearings

- **Reduced grease consumption 75 percent**
- **Eliminated bearing failures**
- **Saved an estimated \$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.

Challenge

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

Solution

Mike Carter, LE lubrication consultant, recommended Almasol® High Temperature Lubricant (1250). Almasol 1250 is for use where a high temperature grease is required. It contains Almasol®, LE's exclusive wear-reducing additive.

Results

Prior to using Almasol 1250, weekly greasing of each bearing was necessary at 10-15 shots per bearing. Monthly greasing is now the normal grease cycle, resulting in at least 75 percent reduction in grease consumption.

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

Normal bearing failure and replacement was at 16-20 bearings per year. Since the conversion to Almasol 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 Almasol 1250.

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

Other Products Used

- Almaplex® Industrial Lubricant (1275)
- Duolec® Vari-Purpose Gear Lubricant (1605)
- Wirelife™ Monolec® Penetrating Lubricant (2001)
- Pyroshield® Syn Open Gear Grease (5100)
- Multilec® Industrial Oil (6802)
- Monolec® GFS Engine Oil (8440)
- Monolec® SPB Engine Oil (8530)
- Oil Safe

Thank you to Dan Velikaneye, maintenance manager, and to Mike Carter, LE lubrication consultant (pictured), for providing the information used in this report.





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Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

SIC 2895
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