



Syntemp® Synthetic Lubricant (9102)

Pregis Corp. – Visalia, Calif.

Mezel (specially designed accumulator for foam sheeter)

- **Reduced chain replacements from 3 times a year to once a year**

Customer Profile

Pregis Corp. "The Packaging People" have been an LE customer since 1992. They manufacture packaging foam in sheets and specialty wrap for fresh fruits such as apples, pears, and plums. They also bond this sheeting to heavy Kraft-type paper for making padded shipping envelopes.

Application

One of the specially designed pieces of equipment in the foam making process is the Mezel accumulator. The tendency drive chains were failing regularly on the foam sheeter section.

Challenge

The major oil company lubricant they had been using on the chain had poor load carrying ability, and would not stay on the chain very long. It would wash off. The #40 chain is 300 ft. long and drives foam sheeter cut links. The equipment is in use 362 days per year, 24 hours a day, seven days a week. Several specialty aerosols were tried on the chain, with no improvement in chain life.

LE Solution

In 1992, Mark Nickel, LE lubrication consultant, recommended Syntemp® Synthetic Lubricant (9102). This product comes in aerosol form and is designed for use on open gears, chains, cables, sprockets, and slides. It is very tacky, and will stay in place. Syntemp 9102 carries a 50 lb. Timken OK Load, so heavily loaded components are protected from friction, heat and excessive wear.



Results

With the major oil company lubricant, Pregis Corp. was replacing the chain three times a year. The chain costs \$2 per foot (300 ft. chain), and coupled with the cost of labor, replacement costs can run well over \$1680. After switching to Syntemp 9102, replacement has been reduced to once a year. Over the past 15 years, Pregis has conservatively saved \$50,400 in chain parts and labor costs on this one application alone. Changing the chain out each time results in over four hours of machine downtime. With the increased chain life, the use of Syntemp 9102 has also provided Pregis with more than 120 additional hours of machine uptime. This line makes over \$20,000 an hour.

Other Products Used

- Almasol® Dry Film Lubricant (9200)
- Duolec® Vari-Purpose Gear Lubricant (1606)
- Almaplex® Industrial Lubricant (1275)
- Almasol® Worm Gear Lubricant (680)

Thank you to Larry Smith, maintenance supervisor, and to Mark Nickel, 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.

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300 Bailey Avenue • Fort Worth, TX 76107 • Fax: 800-228-1142
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www.LElubricants.com
800-537-7683