



## Almagard® Vari-Purpose Lubricant (3751)

**Dutchess Quarry & Supply Company – Goshen, N.Y.**

### **Stansteel Asphalt Plant**

- Reduced bearing replacement costs and production loss by \$20,000 per year
- Extended bearing life by six times (from 4 months to two years)
- Kept plant running with fewer problems and less downtime

#### **Customer Profile**

Dutchess Quarry & Supply Company is a manufacturer of asphalt and ready-mix concrete. It has been an LE customer since 2000. It operates two asphalt plants at the Goshen location. The Stansteel plant was built in 1974 and is a 5-ton batch plant. The Cedar Rapids plant was built in 1953 and is a 3-ton batch plant.

#### **Application and Challenge**

Using Shell lubricants at both of its asphalt plants, the company was having a problem with the spiral conveyors in its bag house dust collectors. It was experiencing two to three bearing failures every year, and each time they had to replace a bearing, they lost a half day of production. This meant a loss of approximately \$10,000 per bearing failure.

#### **LE Solution**

David O'Connor, LE lubrication consultant, recommended to Dutchess that it replace its Shell lubricants with LE's Almagard Vari-Purpose Lubricant (3751), an extreme pressure lubricant for extended service, that won't wash off, pound out, or melt and run, even with extended service in severe conditions.

#### **Results**

The switch to Almagard 3751 helped the bearings last six times longer than they had previously. Before the switch, each bearing lasted approximately 4 months. After the



*Spiral conveyor end shaft bearing using 3751.*

switch, each bearing lasted more than two years. The company was pleased with the results and is now using Almagard 3751 throughout both plants.

Another critical area is the fan bearing on the dryer that dries the stone. Using Almagard 3751, the bearings have not failed in more than 10 years.

#### **Other LE Products Used**

- Pyroshield® Syn Open Gear Grease (5182)
- Monolec® Synthetic Industrial Oil (9032)
- Wirelife™ Monolec® Penetrating Lubricant (2001)



*Chris Lazzar*

*Thank you to Chris Lazzar, plant operator, and to David O'Connor, LE lubrication consultant, for providing the information used in this report.*



*Dave O'Connor*



Almagard®, Pyroshield®, Monolec® are registered trademarks and Wirelife™ is a trademark of Lubrication Engineers, Inc.

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

SIC 5032  
LI70800 12-10

300 Bailey Avenue • Fort Worth, TX 76107 • Fax: 800-228-1142  
LE operates under an ISO 9001 Certified Quality System.

[www.LElubricants.com](http://www.LElubricants.com)  
**800-537-7683**