

**1299 ALMAPLEX® Ultra-Syn Lubricant**  
**Harborlite Corp., Vicksburg, Michigan**  
Hammer mill • SIC 3295 Minerals, ground or treated

**LE's 1299 Saved Over \$40,000 in a Four Month Period!**

**CUSTOMER PROFILE**

Harborlite Corporation processes high quality volcanic glass into perlite insulating bubbles. The process uses high heat with a special technique that creates the non flammable low cost insulating mineral.

**APPLICATION**

Harborlite uses their own design hammer mill, 25 hp motor with belt drive for milling of their product.

**AREA OF INTEREST**

Heat and dirt combined to create a harsh environment that caused frequent bearing replacement. They were losing the hammer mill shaft bearings about every four or five days on the average with some failures in 24 hours of operation. The bearings are being operated at an rpm that is at or above the maximum allowable rpm when using grease as a lubricant. They had tried most commercial grade lubricants, including synthetics and specialty company greases, all with similar dismal results.

**LE SOLUTION**

LE's 1299 ALMAPLEX® Ultra-Syn Lubricant. 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 to the ISO 460 viscosity grade range for excellent performance under extreme equipment operating conditions. It also contains ALMASOL®, LE's exclusive wear-reducing additive.

**CUSTOMER COST SAVINGS**

Harborlite operates this hammer mill on an as needed basis. There are times when it is needed constantly. Using 1299 ALMAPLEX Ultra-Syn Lubricant it is now always available should they need it. No

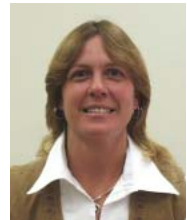
more weekend repair jobs. This reduces the required overtime and the associated costs needed to repair the bearings .

The most important and significant savings is the reduction in bearing replacement. Harborlite went from weekly replacements to no replacements in over four months of operation. This is a savings of over \$40,000.00 in parts and labor costs alone! They currently regrease once weekly and the grease still looks good. All other greases would be hard carbon and solid residue in a week's time.

We would like to thank Maintenance Manager Rich Rocho and LE Representative Barbie Graham for providing the information to prepare this report.

An unexpected benefit with using LE's 1299 ALMAPLEX® Ultra-Syn Lubricant is an amperage reduction of over 3.5 amps, observed during the initial eight week trial. It has leveled off at four amps less than with the previous lubricant. This would mean a savings of almost \$600.00 if the unit runs 2,400 hours per year.

Maintenance Manager Rich Rocho states, "***Our LE Rep stuck with us until she found a solution to our problem. LE's 1299 is a really good product. We have tried them all and it is the only one that works.***"



**Barbie Graham**