

# 4701 MONOLEC® INDUSTRIAL LUBRICANT

## ALPHA SINTERED METALS, INC.

Various Equipment • SIC 3399 Primary Metal Products, nec

***"Bearing failures have been reduced by 75% or more"***

**CUSTOMER TESTIMONIAL**

### **CUSTOMER PROFILE**

Alpha Sintered Metals, Inc., a powdered metal parts manufacturer, is located near the city of Ridgway, in the northern hills of Pennsylvania, long known and widely respected as the "World Capital of Powdered Metal Manufacturing". Established in 1971, Alpha Sintered Metals has developed into a thriving company, which operates numerous pieces of equipment. The account is serviced by LE Representative David Hayes.

### **APPLICATION**

Alpha Sintered Metals has 11 furnaces of various makes, including Abbot, Sinterite and Westinghouse. They also have 34 presses including Gassbarre; Stokes; Bliss and Cincinnati. These presses range in size from 5 tons to 880 tons. Alpha Sintered Metals now produces 18 million pounds of powdered metal parts per year.

### **AREA OF INTEREST**

This company was originally sold on LE products in 1984. LE Representative, David Hayes is now the lubrication specialist who provides them with LE lubricants and service. In

1984, Plant Manager, Roger Young was looking for a grease that could be easily pumped.

### **LE SOLUTION**

It was suggested using LE's 4701 MONOLEC Industrial Lubricant, which is specially formulated for centralized lubrication systems and where a medium EP grease is used. This lubricant is water resistant, high heat resistant, has low separation or "bleed", excellent mechanical stability and is easily pumpable. LE's 4701 also contains MONOLEC, LE's exclusive wear-reducing additive. MONOLEC® enhances intermolecular attraction in a lubricant, vastly increasing film strength and reducing friction, heat and wear.

### **CUSTOMER COST SAVINGS**

Alpha Sintered Metals tested LE's 4701 MONOLEC Industrial Lubricant in their Trabon automatic lubrication system. They found that LE's 4701 performed so well that they decided to try it in other applications. They now use LE's 4701 in the furnaces' carrier and pillow block bearings, and for the most part, anywhere a lubrication application calls for a grease.

**LUBRICATION  
ENGINEERS, Inc.**

*Leaders in Lubricants*



300 Bailey Ave · Fort Worth, TX · Phone: 800-537-7683 817-916-3200  
FAX: 800-228-1143 817-820-0027 · [www.le-inc.com](http://www.le-inc.com)

LI70369  
00-06-06

## **OTHER PRODUCTS USED**

Roger Young was asked to give his hand written opinion of LE lubricants, and had the following to say about LE. ***“Alpha Sintered Metals turned to LE after experiencing many years of broken crankshafts and worn bearings, which we believe were caused by inferior lubrication products hardening and breaking down. We have been extremely happy that we made the move. Bearing failures have been reduced by 75% or more, and crankshaft breakage is almost nonexistent. We are pleased to be using LE product.”***

Other products used by Alpha Sintered Metals, Inc. are LE's 607 ALMASOL® Vari-Purpose Gear Lubricant, 6110 MONOLEC® Hydraulic Oil and 6405 MONOLEC® Turbine Oil.

A special thank you to Plant Manager Roger Young; Head of Maintenance, Mike Raubenstrauch; Maintenance Crew, Steve Goodrow, John Carson, Chris Geyer and Rick Ehrenberger, and LE Representative David Hayes for providing the information to prepare this report.



**David Hayes**