

**607 Almasol Vari Purpose Gear Lubricants**  
**MARIWASA SIAM CERAMICS, INC**  
*Sto. Tomas, Batangas, Philippines*  
**SACMI BPS Continuous Mill CM-104**

**CUSTOMER TESTIMONIALS**

**Customer Profile**

Mariwasa is one of the pioneers in the Philippines Ceramic tile industry. The company was founded on a vision of producing ceramic products that would meet world standards for beauty and durability. The manufacturing facility located in Sto Tomas, Batangas showcases the country's most advanced ceramics tile technology.



**Application**

Mariwasa has 4 units of SACMI Body Preparation Section (BPS) Continuous Mill that mix all the materials needed in tiles manufacturing.

**Area of Interest**

Maintenance Manager Josefino Roma wanted to extend his oil drain intervals and reduce their maintenance cost due to periodic downtime. Every six (6) months the BPS continuous mill will have to shutdown and drain all the gear oil in the reduction gear reservoirs.



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## ***LE Solution***

In October, 2004 LE 607 Almasol Vari Purpose Gear Lubricant was introduced and recommended for the SACMI BPS Continuous Mill CM-104. LE 607 is a 100% paraffinic base, extreme pressure gear oil containing LE's propriety additive, ALMASOL. These features combine to prevent lubricant breakdown, damage to gear due to heavy load and high temperature. Engr's. Virgilio B. Jacinto & Edwin V. Olan agreed to try it in their BPS Continuous Mill.



## ***Customer Cost Savings***

Lubrication Engineers Oil Analysis Program (LEAP) was used to monitor LE 607 Almasol Vari Purpose Gear Oil on both ends of the BPS Continuous Mill. Over the period of 15 months, oil samples were taken to monitor the condition of the oil. The results of the analysis indicate that all values are normal and no indication of significant wear, mechanical problems and abnormal operating condition. Engr's. Virgilio B. Jacinto & Edwin V. Olan realized they could safely continue using the gear oil. They will establish the drain interval by using the LEAP. They are now using LE 607 Almasol Vari Purpose Gear Lubricant on all four SACMI BPS Continuous Mill. All Continuous Mills experience significant drop in operating temperature readings. Also downtime have been reduced due to extended oil drain interval.

## **Other Product Used**

LE 1250 Almasol High Temperature Grease  
LE 4622 Monolec Multiplex Industrial Grease  
LE 6803 Multilec Industrial Oil ISO VG 68

LE 605 Almasol Vari Purpose Gear Oil  
LE 6403 Monolec Industrial Oil ISO VG 68

