

**6401 MONOLEC® R&O COMPRESSOR/TURBINE OIL
CHEMICAL COMPANY, Augusta, Georgia**

Roots Dresser Centrifugal Compressor • SIC 2819 Industrial Inorganic Chemicals

- ⇒ *Saved Estimated \$80,000 in Bearings Over 8 Years*
- ⇒ *Extended Drain Intervals From 6 Months to 2 Years +*
- ⇒ *Reduced Downtime With Extended Oil Drain Intervals and Eliminating Break Downs*
- ⇒ *Reduced Oil Consumption From 880+ Gallons to 220 Gallons in a 2 Year Period*
- ⇒ *Eliminated Wear on Compressor Babbitt Bearings*

CUSTOMER PROFILE

This Chemical company is the largest North American producer of Aluminum Sulfate (Alum) and the leading supplier of iron salts and enhanced coagulants, all used for treating drinking, process and wastewater. They have been an LE customer since 1997

APPLICATION

A Roots Dresser Centrifugal Compressor is used 24 hours a day, 7 days a week to supply air for the plants processing of Aluminum Sulfate (Alum).

AREA OF INTEREST

Using Teresstic 46 in their Roots Dresser Centrifugal Compressor, the chemical company had to change the oil two times a year. Oil analysis showed a very high metal wear rate and the **compressor Babbitt bearings failed every 1 to 2 years**. The bearings cost \$10,000 each. It took several hours to change the bearings and the downtime lost was considerable. Sometimes it took

several days to get the compressor back up and running.

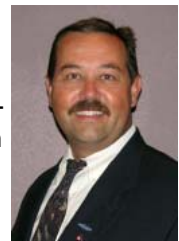
LE SOLUTION

LE's 6401 MONOLEC R&O Compressor/Turbine Oil was recommended for this application. Lubrication Engineers Analysis Program (LEAP) is used to monitor the oil. Using LEAP, the chemical company can monitor the condition of the oil and schedule oil changes at their convenience. A Roots Dresser Service Technician came and inspected the unit. He stated that it was one of the cleanest units he had ever seen and wanted to know what was in the oil.

CUSTOMER COST SAVINGS

This chemical company has estimated that they have **saved over \$ 80,000 in Babbitt bearings** alone. Drain interval are now monitored more closely and LEAP oil analysis is used to determine when to change the oil increasing the turn around time during shut downs. Intervals have increased from 6 months to over 2 years.

We would like to thank Plant Manager Alan Hampton and LE Lubrication Consultant Mark Jones (pictured) for the information provided to prepare this report.



Based on actual user experience. Individual results may vary. Product used not intended to supersede manufacturer's specifications.

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