

8440 MONOLEC GFS® OIL
CREST COATING, Inc., Anaheim, CA
Davey-Permavane 25BAQ Air Compressor
SIC 3479 Metal Coating & Allied Services Millwork

**LE's 8440 MONOLEC OIL SAVES \$321
ANNUALLY ON ELECTRICAL CONSUMPTION**

CUSTOMER TESTIMONIAL

CUSTOMER PROFILE

Crest Coating, Inc. is located in Anaheim, CA. They sandblast and powdercoat metal computer cabinets and other custom manufactured parts. They have been an LE customer for six years.

APPLICATION

A Davey-Permavane 25BAQ air compressor provides the main air supply for sandblasting and painting the various parts. To insure excellent coating adhesion, all the parts must first be sandblasted.

AREA OF INTEREST

LE Representative Bob Stewart originally approached Norm Parisien, Quality Control and Plant Operations Manager, and presented the benefits of LE's ZAP Energy Saving Program capabilities. Bob Stewart explained that Crest Coating could save money by using superior lubricants such as LE's 8440 MONOLEC GFS Oil. It was in anticipation of the energy savings provided by LE products that persuaded Norm Parisien to convert the Davey air compressor to LE's 8440.

LE SOLUTION

To document energy savings using LE lubricants, the air compressor was first brought to a full load condition and amperage readings were taken. The average amperage draw using the conventional SAE 30 compressor oil was 68.0 amps. The unit was then drained, flushed, the oil filter changed, and the unit filled with LE's 8440 MONOLEC GFS Oil. This product contains a unique additive package which, when coupled with MONOLEC, LE's exclusive wear-reducing additive, works synergistically to provide the best protection available. Again, the compressor was brought to a full load condition; and amperage readings were measured. The average amps measured at this time were 63.0 — **a 7.4% reduction!**

CUSTOMER COST SAVINGS

The energy reduction cost savings realized through the use of LE products is shown in the following equation.

The following is the formula used to find the cost of a unit's electrical consumption. This is the same formula used by the local utility company:

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.Volts x Ampere Reduction x 1.73* = kW Savings
kW Savings x Hours of Operation Per Year = kWh Savings
kWh Savings x Electrical Charges = Energy Savings Per Year
*Conversion Factor for a 3-Phase Source

.220 x (68.0 - 63.0) x 1.73 = 1.9 kW
1.9 kW x 2,340 hpy = 4,446 kWh
4,446 kWh x \$.0722 = \$321 Energy Savings Per Year

LE's 8440 MONOLEC OIL SAVES \$321 ANNUALLY ON ELECTRICAL CONSUMPTION

In addition, Crest Coating realized other benefits that are normally associated with the use of LE lubricants, such as extended drain intervals through the use of oil analysis, and reduced wear.

Other LE Products in use:

- 2059 MONOLEC Penetrating Oil & Lubricant
- 605 ALMASOL^o Vari-Purpose Gear Lubricant
- 7500 MONOLEC Power Fluid
- MONOLEC^o High Temperature Oven Chain Lubricant
- 9200 ALMASOL Dry Film Lubricant

We wish to thank Quality Control and Plant Operations Manager Norm Parisien and LE Representative Bob Stewart (pictured) for providing information to prepare this report.

