

6403 MONOLEC® R&O COMPRESSOR/TURBINE OIL
LARGE BAKERY IN NORTHWESTERN MICHIGAN
Quincy QSI 1000 Air Compressor • SIC 2038 Frozen Specialties

CUSTOMER TESTIMONIAL

\$7,992.60

SAVED ANNUALLY IN ELECTRICAL COSTS

CUSTOMER PROFILE

This Large Bakery in Northwestern Michigan manufactures pies and frozen desserts.

APPLICATION

The bakery's Quincy QSI 1000 rotary screw compressor is very important to the production of the plant, as it supplies the plant's primary air. Any breakdown in this compressor means a loss of production.

AREA OF CONCERN

While using a commercial grade lubricant, the bakery's Quincy QSI 1000 was experiencing a high level of wear, sludging and varnishing.

LE SOLUTION

In November of 1992, LE Sales Representative, Greg Klang

recommended LE's 6403 MONOLEC® R&O Compressor / Turbine Oil and presented Lubrication Engineers' ZAP Energy Savings Program. The maintenance personnel at this bakery were concerned about the unfavorable oil analysis and were also very interested in saving energy costs. They agreed to convert the Quincy air compressor to LE's 6403.

CUSTOMER COST SAVINGS

While using the commercial grade lubricant, amperage draw on the Quincy compressor averaged 175 amps. **After converting to LE's 6403 MONOLEC R & O Compressor / Turbine Oil, the amperage dropped to 150 amps, a 25 amp reduction!**

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

**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

01-18-01
LI70158

.Volts x Amps Saved x 1.73* = kW Savings
kW Savings x Hours of Operation Per year = kWh Savings
kWh Savings x Electrical Charge = Energy Savings Per Year
***Conversion Factor for a 3-Phase Power Source**

.440 x 25 x 1.73 = 19.03
19.03 x 8400 = 159,852.00
159,852.00 x \$0.05 = \$7,992.60

**LE's 6403 MONOLEC® R & O COMPRESSOR / TURBINE OIL SAVES
\$7,992.60 ANNUALLY IN ELECTRICAL COSTS**

Drain intervals on the Quincy since converting to LE's 6403 MONOLEC R & O Compressor / Turbine Oil have been extended to 6500 hours. While using the commercial grade lubricant it was necessary to drain the oil at 2500 hours. LE's 6403 is formulated with special additives to control deposits and give protection against wear, corrosion and rust. It is oxidation resistant and nonfoaming. LE's 6403 contains MONOLEC, LE's exclusive wear-reducing additive.

OTHER PRODUCTS USED

This large bakery uses a variety of LE products. LE's 9920 SYNOLEC® Gear Lubricant has given excellent service life in the freezer gearboxes

and is used in all gearboxes throughout the plant. LE's 4701 MONOLEC® Industrial Lubricant is used in all other freezer applications. LE's 4010 QUINPLEX® White Oil has eliminated gum in the airline oilers. LE's 2700 ALMASOL® Oven Chain Lubricant reduced amperage draw on oven chains to the extent that their relubrication cycle is determined by amperage increase. Additional products used are: LE's 1275 ALMAPLEX® Industrial Lubricant; LE's 4024/4025 QUINPLEX® Food Machinery Lubricant, LE's 4090 QUINPLEX® White Gear Lubricant; LE's 607 ALMASOL® Vari-Purpose Gear Lubricant, LE's 4059 QUINPLEX® H1 Penetrating Oil & Lubricant and LE's 1250 ALMASOL® High Temperature Lubricant.



Greg Klang

We wish to thank the personnel at this large bakery in Northw estern Michigan and LE Representative Greg Klang for providing the information to prepare this report.