

6402 MONOLEC® R & O COMPRESSOR / TURBINE OIL

COUNTRY PURE FOODS, Akron, OH

Sullair Rotary Screw Air Compressor • SIC 2033 Canned Fruits, Vegetables & Preserves

CUSTOMER TESTIMONIAL

6402 SAVES \$11,087 ANNUALLY ON ELECTRIC ENERGY COSTS

CUSTOMER PROFILE

Country Pure Foods is a juice packaging operation. They have been in business for 45 years, serving customers coast to coast. They have been an LE customer since 1993.

APPLICATION

A Sullair 200 hp rotary screw air compressor supplies air for Country Pure Foods' operation.

AREA OF INTEREST

While using a specialty lubricant company air compressor oil, they were experiencing problems with clogging of the oil cooler. The compressor was running hot, and they were only getting 6,000 hours service out of the oil. The compressor operates in a moist environment, in the presence of frequent washdowns associated with a food processing operation.

LE SOLUTION

The local LE Representative presented LE's ZAP Energy Saving Program, coupled with LE's 6402 MONOLEC R & O Compressor / Turbine Oil to save on electrical energy costs and to extend the life of the compressor. LE's 6402 contains special additives to control deposits and give protection against wear, corrosion and rust. It is nonfoaming and contains MONOLEC, LE's exclusive wear-reducing additive.

CUSTOMER COST SAVINGS

Country Pure Foods now has over 16,191 hours on LE's 6402, with no downtime. They have recorded both an amp drop and temperature drop after converting to LE's 6402. The air compressor oil was changed on September 9, 1997, as they felt they had achieved the extended drains they had anticipated.

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01-18-01

SULLAIR ROTARY SCREW 25S-200 hp

Reading Dates	7/93	8/93	10/93	12/93
Amperes	165-170	170	165-170	140
Sump Pressure	850	800	840	800
Line Pressure	825	790	810	760
Discharge Temperature (°C)	280 (97)	215 (101)	218 (103)	166 (74)
Injection Temperature (°C)	178 (81)	185 (85)	188 (86)	178 (81)
Oil Temperature (°C)	180 (82)	185 (85)	195 (90)	159 (70)

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




COST ANALYSIS BREAKDOWN

LE's 6402 MONOLEC® R & O
.460 x 140 x 1.73* = 111.4 kW
111.4 x 6750 = 751,950 kWh
751,950 x \$0.075 = \$56,396.25

Specialty Grade Lubricant
.460 x 167.5 x 1.73* = 133.3 kW
133.3 x 6750 = 899,775 kWh
899,775 x \$0.075 = \$67,483.13

**LE's 6402 MONOLEC R & O COMPRESSOR / TURBINE OIL SAVES 16.4%
 IN ANNUAL POWER CONSUMPTION AND
 \$11,087 ANNUALLY ON ELECTRIC ENERGY COSTS**

OTHER LE PRODUCTS USED

-  4059 QUINPLEX® H1 Penetrating Oil & Lubricant
-  4025 QUINPLEX® Food Machinery Lubricant
-  3751 ALMAGARD® Vari-Purpose Lubricant

We want to thank Dan Rotnem, who made the initial buying decision to try LE's 6402 and LE Representative Joseph Kuntz (pictured) for providing the information to prepare this report.

