

Customer Testimonial



Multilec® Industrial (6801)

Fiberglass Fixture Manufacturer in Southern Nevada

Sullair LS 20-100

- **Reduced amperage from 120 amps to 101 amps**
- **Reduced wear metals and contamination**

Customer Profile

This fiberglass fixture manufacturer services all of the southern Nevada area. They have been an LE customer since 1997.

Application

This manufacturer uses three Sullair LS 20-100 air compressors to supply air to various types of production equipment throughout the plant. These air compressors run 10 hours a day, six days a week and are located in an outside room with the average temperature being 65-95°F (18-35°C).

Challenge

Although there were no problems with the competitive lubricant that was being used, the personnel were interested in overall cost savings.

LE Solution

The local LE lubrication consultant recommended Multilec® Industrial Oil (6801) for the compressors. Multilec 6801 is a truly multi-functional, heavy-duty R&O (rust and oxidation) and AW (anti-wear) industrial oil suitable for air compressors, hydraulics, bearings, industrial turbines and R&O gear applications. Multilec is compounded with premium 100% paraffinic base stocks for greater lubricity, is rust and oxidation inhibited and has excellent water separation ability. Multilec 6801 also has an anti-wear additive for increased gear and bearing life and contains Monolec®, LE's exclusive wear-reducing additive.

Results

The personnel for the fiberglass fixture manufacturer decided to convert one of the Sullair LS 20-100 to Multilec 6801. Prior to the conversion, oil samples and amp readings were taken, with amperage showing 120 amps. After the conversion to Multilec 6801, amp readings were again taken with amperage now showing 101 amps. This was a 19 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.

$$\begin{aligned} \text{Volts} \times \text{Amperes Saved} \times 1.73^* &= \text{kW Savings} \\ \text{kW Savings} \times \text{Hours of Operation Per Year} &= \text{kWh Savings} \\ \text{Annual kWh Savings} \times \text{Electrical Rate} &= \text{Annual Electrical Savings} \\ * &\text{Conversion Factor for a 3-Phase Power Source} \end{aligned}$$

$$\begin{aligned} 440 \times 19 \times 1.73 &= 14.46 \\ 14.46 \times 3120 &= 45,115.20 \\ 45,115.20 \times .045 &= \$2,030.18 \end{aligned}$$

Multilec 6801 saved \$2,030.18 in electricity savings per unit.

In addition to the electricity savings, oil analysis has shown a remarkable reduction in both wear metals and contamination. The personnel are pleased with both of these results.

The two remaining units were converted to Multilec 6801 shortly thereafter.

Thank you to the fiberglass fixture personnel, and to the local LE lubrication consultant, for providing the information used in this report.



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Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

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