

6802 MULTILEC® INDUSTRIAL

T.R. MILLER CO., Brewton, AL

Sullair 255-250L Rotary Screw Air Compressor • SIC 2421 Sawmills & Planing Mills, General

**LE's 6802 MULTILEC INDUSTRIAL OIL SAVED
\$10,168.39 ON ELECTRICAL POWER CONSUMPTION ANNUALLY**

CUSTOMER PROFILE

T.R. Miller Co. is a sawmill operation that cuts 300,000 board feet per day from rough logs to finished lumber. The plant is divided into two basic operations, sawmill and planer mill. They have been an LE customer since 1989.



APPLICATION

A Sullair 255-250L rotary screw air compressor is used to supply air for the sawmill to operate.

AREA OF INTEREST

While using a commercial grade air compressor oil, Mike Sims, General Manager of the Sawmill Operation, noticed that the compressor was experiencing numerous shutdowns due to overheating. When this happened, estimated downtime cost was \$15,000 per hour in lost production.

LE SOLUTION

The local LE Representative recommended LE's 6802 MULTILEC Industrial Oil for this compressor. LE's 6802 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. It is compounded with premium paraffinic base stocks for greater lubricity. It also has outstanding rust and oxidation resistance, excellent water separation abilities and an anti-wear additive for increased gear and bearing life. LE's 6802 is formulated to combat acid hydrolysis in rotary screw compressors. It contains MONOLEC®, LE's exclusive wear-reducing additive.

CUSTOMER TESTIMONIAL

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CUSTOMER COST SAVINGS

Not only was LE's 6802 one third the price of the previous oil used, but it also provided substantial energy consumption savings. There has been no unscheduled downtime of this compressor since switching to LE's 6802 MULTILEC Industrial Oil in 1994.



ZAP SAVINGS

Compressor operates 60 hours per week.
Amperage average recorded prior to conversion – 403 amps
Amperage average recorded after conversion to 6802 – 340 amps

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

.Volts x Amperage Reduction 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 a3-Phase Power Source

.460 x 63 x 1.73 = 50.14
50.14 x 3,120 = 156,436.80
156,436.80 x .065 = \$10,168.39

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John Sanders

We would like to thank Mike Sims, General Manager of the Sawmill Operation and LE Representative, John Sanders for the information provided to prepare this report.