



Multilec[®] Industrial Oil (6802)

Metlcast Products, Inc. – Salina, Kans.

Sullair Rotary Air Compressor

- *Reduction of 8 amps*

Customer Profile

Metlcast Products, Inc. is a ferrous metal casting and machining operation. Products include bearing journals for the agricultural industry. They have been an LE customer since 1997.

Application

They operate a Sullair 10B 30 HP rotary air compressor, used for the plant air supply. They also use 100 HP and 75 HP Rotary units.

Challenge

They were experiencing elevated temperatures and foaming with subsequent short change-out intervals.

LE Solution

The local LE lubrication consultant recommended Multilec[®] Industrial Oil (6802), which is a multi-functional, heavy-duty rust and oxidation inhibited, anti-wear oil for air compressors, hydraulics, bearings, pumps and gear applications. It has excellent water separation ability and combats acid hydrolysis in rotary screw compressors.

After the initial presentation and several follow-up visits, they agreed to change out the smaller unit for comparison purposes.

Results

Amperage draw measurements were taken before the lubricant change over. The draw was an average of 31 amperes per phase when loaded. After the change over, the amperage draw was 23 amps, loaded. This represents a reduction of 8 amps when fully loaded. The unit uses 480-volt power. They are paying 4.5 cents per kWh and run 3,120 hours per year. They are saving between \$794.00 and \$496.00 per year, depending on the load, for this small compressor alone. They were so impressed with the savings from the one small compressor, they have since converted all of the compressors in the plant to Multilec 6802.

Other Products Used

- Equipment gearboxes requiring an ISO 220 AGMA 5EP gear oil have been filled with Duolec[®] Vari-Purpose Gear Lubricant (1605).

Thank you to Jerry Rassette, chief engineer, and to Steve Petrehn, LE lubrication consultant (pictured), 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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