

6803 MULTILEC® INDUSTRIAL OIL

COAL BURNING POWER PLANT, MT

Ingersoll Rand SSR Rotary Compressor • SIC 4911 Electric Services

CUSTOMER TESTIMONIAL

MULTILEC® INDUSTRIAL OILS are designed specifically to combat the effects of high temperatures (oxidation), water, contaminants and heavy loads which accelerate wear, and to provide much longer equipment and oil life in a variety of industrial applications.

CUSTOMER PROFILE

This is a large, multi-location coal burning power generator. They also own hydroelectric generating plants in the state, as well as in other parts of the country.

APPLICATION

Ingersoll Rand SSR EP 150 Rotary Screw Compressors (4 units total for process air).

AREA OF INTEREST

While using a high profile major brand synthetic oil, especially designed for Rotary Screw Compressors; the generator was seeing unusual oil viscosity readings. Ingersoll Rand recommended an ISO-68 oil. The oil supplier suggested that an alarm be set at 90cSt for oil viscosity increases. The alarm was set because it was not abnormal for the ISO-68 to climb to 90cSt (vis @ 40°C) while using their oil. This could happen within 1,000 hours of run time, varying from unit to unit, and had been happening for years.

LE SOLUTION

Since the generator was already using a high dollar synthetic oil, without any results, there was no hesitating in allowing an LE product to try to reduce the oil viscosity readings. All results were documented by monthly oil analysis over a one-year period of time. LE's 9068 MONOLEC® Synthetic Industrial Oil and

LE's 6803 MULTILEC® Industrial Oil readings right at spec (68.3) for over 5,000 hours and is still in the machine accumulating more hours. LE's 6803 also costs at least \$6.00/gallon less than the previous product; the sump capacity is 22 gallons. Three out of four units have been converted to LE's 6803 and the fourth unit is scheduled for conversion before the end of 2001.

CUSTOMER COST SAVINGS

You can figure the oil cost for yourself. However, the real savings is in the fact that there are no longer any alarms going off on these compressors, which would necessitate downtime and oil changes. With the current market price for electricity in this region going up, the cost savings could be considered very significant.

OTHER PRODUCTS USED

- 1250 ALMASOL® High Temperature Lubricant is used in all the generator Soot Blower bearings with great success.
- 4024 QUINPLEX® Food Machinery Lubricant is used by the hydro-plants for the Wicket gate bearings.
- 4046 QUINPLEX® Synthetic Food Grade Oil is used for the hydraulics on their waste gate systems.

We would like to thank all the generator personnel for providing the information to prepare this report.

Based on actual user experience. Individual results may vary. Product used not intended to supersede manufacturer's specifications.

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