

6404 MONOLEC® R&O COMPRESSOR/TURBINE OIL

JERNBERG INDUSTRIES, INC., Chicago, Illinois

Ingersoll-Rand 350 HP Air Compressors • SIC 3462 Iron & Steel Forgings

CUSTOMER TESTIMONIAL

- **LE CUSTOMER FOR OVER 10 YEARS**
- **ELIMINATED CARBON BUILD UP**
- **QUADRUPLED OIL DRAIN INTERVALS**
- **ELIMINATED BEARING FAILURES**
- **REDUCED CONSUMPTION OF MAKE-UP OIL**

CUSTOMER PROFILE

Jernberg Industries Inc., based in Chicago, Illinois has been in business for about 60 years producing and supplying heavy forged materials primarily for the transportation industry. Their customers range from General Motors, Toyota, and Harley-Davidson, to small and medium sized businesses.



APPLICATION

Jernberg operates four Ingersoll-Rand 350 hp air compressors which supply the entire facility with the needed air to run equipment. Uptime of these compressors is critical to produce the materials necessary to meet the high customer order demand. Since these compressors have a heavy workload, the maintenance staff had to add about six gallons of make-up oil a day per compressor. These compressors were experiencing significant issues with the carbon build-up in the intake and exhaust areas. Based on oil analysis and these conditions, Jernberg had to change the compressor oil every three months.

AREA OF INTEREST

Due to the heavy workload of these Ingersoll-Rand compressors and the problems Jernberg was experiencing, Ken Lopatka, Maintenance Supervisor, wanted to increase oil drain intervals, reduce the amount of make-up oil added daily, and eliminate carbon build-up.

LE SOLUTION

Jernberg Industries has been an LE customer for over 10 years. They have been very pleased with the products Lubrication Engineers has supplied

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them to utilize in their fleet and crane applications. When 6404 MONOLEC[®] R&O Compressor/Turbine oil was recommended for this demanding and critical application, Jernberg did not hesitate to utilize it.

CUSTOMER COST SAVINGS

Since the introduction of 6404 MONOLEC[®] R&O Compressor/Turbine Oil, Jernberg has been able to quadruple the drain intervals to once a year, all substantiated by oil analysis. Another major reduction was obtained in the area of make-up oil consumption. By the nature of the Ingersoll-Rand compressor design, make-up oil is a necessity but when switched to 6404 the amount was reduced to three gallons a day per compressor. The 6404 also eliminated

the excessive carbon build-up in the intake and exhaust areas which resulted in the reduction of maintenance cost to clean the compressors during scheduled maintenance.

Mr. Lopatka, Maintenance Supervisor, stated that Jernberg has not lost a compressor bearing in the last 8-years since they switched to Lubrication Engineers 6404.

OTHER PRODUCTS USED

- ⇒ **1275 ALMAPLEX[®] Industrial Lubricant**
- ⇒ **1299 ALMAPLEX[®] Ultra-Syn Lubricant**
- ⇒ **607 ALMASOL[®] Vari-Purpose Gear Lubricant**



Ken Lopatka

We would like to thank Maintenance Supervisor, Mr. Ken Lopatka and LE Lubrication Consultant V.C. Vasisth for the information provided to prepare this report.



V.C. Vasisth