



Monolec® R & O Compressor / Turbine Oil (6404)

Jernberg Industries, Inc. – Chicago, Ill.

Ingersoll-Rand 350 HP Air Compressors

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- Extended oil drain intervals from 3 months to 1 year
- Reduced make up oil from 6 gallons per day to 3 gallons per day
- Eliminated carbon build-up

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.

Challenge

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 more than 10 years. They have been very pleased with the products Lubrication Engineers has supplied them to utilize in their fleet and crane applications. When Monolec® R & O Compressor / Turbine Oil (6404) was recommended for this demanding and critical application, Jernberg did not hesitate to utilize it.

Results

Since the introduction of Monolec 6404, 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 Monolec 6404, the amount was reduced to three gallons a day per compressor. Monolec 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.



Ken Lopatka stated that Jernberg has not lost a compressor bearing in the last eight years since they switched to Monolec 6404.

Other LE Products Used

- Almaplex® Industrial Lubricant (1275)
- Almaplex® Ultra-Syn Lubricant (1299)
- Duolec® Vari-Purpose Gear Lubricant (1605)



Thank you to Mr. Ken Lopatka, maintenance supervisor (left), and to V.C. Vasisth, LE lubrication consultant (right), 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.

SIC 3462
LI70639 09-07