

# 6404 MONOLEC® R & O COMPRESSOR / TURBINE OIL ADVANCED HEAT TREAT CORPORATION

Various Equipment • SIC 3398 Metal Heat Treating

## LE'S 6404 SPECIAL ADDITIVES CONTROL DEPOSITS AND GIVE PROTECTION AGAINST WEAR, CORROSION AND RUST

CUSTOMER TESTIMONIAL

### CUSTOMER PROFILE

Advanced Heat Treat Corporation, located in eastern Iowa, uses an iron nitride process to harden products for customers throughout the world. They have been an LE customer since 1994.

### APPLICATION

Two major pieces of equipment used by Advanced Heat Treat Corporation are a 25 hp Industrial air machine and a Lindberg Electric Furnace. The furnace has an internal temperature of 1100°F. There are two external pillow block bearings, which support the shaft.

### AREA OF INTEREST

While using a commercial grade lubricant in the air machine, leakage occurred along with noisy vibration.

### LE SOLUTION

For the air machine, the local LE Representative recommended LE's 6404 MONOLEC R&O Compressor/Turbine Oil to Dave Clark, Maintenance Supervisor. LE's 6404 meets the requirements of both reciprocating and rotary compressors. **The oxidation resistance of this oil is**

**an important factor because of the extreme pressures of air compression. Its special additives control deposits and give protection against wear, corrosion and rust.** LE's 6404 is nonfoaming and contains MONOLEC, LE's exclusive wear-reducing additive.

### CUSTOMER COST SAVINGS

Dave Clark is very pleased with the performance of LE products. Since switching the air machine to LE's 6404 MONOLEC® R&O Compressor/Turbine Oil there have been no leaks reported. Dave Clark noticed immediately that the air machine was running much quieter.

LE's 6404 is now being used in a Leybold Vacuum Pump. Readings before the conversion, using a commercial grade oil, measured 14 amps. After the conversion, readings measured 8 amps. This is a 43% reduction in amperage. This conversion alone has saved Advanced Heat Treat Corporation over \$1,800 in annual electrical savings.

We would like to thank Maintenance Supervisor Dave Clark, Joe Soldwisch and the local LE Representative for the information provided to prepare this report.

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