

**8420 MONOLEC® GFS OIL**  
**ALLAN PRODUCTS, INC., Dallas, TX**  
**Atlas Copco GAU 409 • SIC 2431 Millwork**

**CUSTOMER PROFILE**

Allan Products manufactures furniture (decorative items such as frames, shelving, cabinets, etc.) from hardwood. They have been an LE customer since 1990.

**APPLICATION**

An Atlas Copco GAU 409 screw-type air compressor is used to supply air for the manufacturing plant.

**AREA OF CONCERN**

While using a specialty grade ISO 68 air compressor oil, the compressor was continually shutting down due to overheating. This situation would occur in the high ambient temperatures [90°F. to 100°F (32°C.-38°C.)] of the Texas summers and during any peak production period. When the compressor shut down, it left the plant idle. Large fans would be placed to blow directly on the compressor to reduce the heat and allow restart of the compressor.

**LE SOLUTION**

LE Representative Bob Hill recommended LE's 8420 MONOLEC GFS Oil to reduce friction and heat, and allow uninterrupted service year-round with the Atlas Copco compressor. In October, 1990, Kim Benjamin agreed to purchase LE's 8420 and convert the compressor to improve efficiency and lower energy costs.

- ◆ 12-13% Amp Reduction
- ◆ 15 to 20°F Temperature Drop

**CUSTOMER COST SAVINGS**

Temperatures and amperage readings were taken while still using the specialty grade lubricant. Immediately after converting to LE's 8420 MONOLEC GFS Oil, amperage usage dropped from 108 to 95 amps - a 13 amp or 12% reduction! Operating temperatures were reduced by 15 to 20°F. Kim Benjamin states, "This unit has not had a shutdown in two years using LE's MONOLEC GFS Oil."

**OTHER PRODUCTS USED**

The successful performance of LE's 8420 MONOLEC GFS Oil in the Atlas Copco compressor convinced Kim Benjamin to use LE products to solve another situation. They are using Stetson Ross molders, and it was necessary to replace the bearings 8 to 10 times per year. Bearing replacement on this machine would cause costly downtime in the plant. LE Representative Bob Hill recommended LE's 6401 MONOLEC R&O Compressor/Turbine Oil to reduce friction and allow trouble-free operation in the air line oiler. After converting to LE's 6401, Allan Products, Inc. has reduced bearing replacement from 8 to 10 sets per year to one to two sets per year.



We would like to thank Kim Benjamin, Plant Manager and LE Representatives Bob Hill (pictured) for the information provided to prepare this report.

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

**LUBRICATION  
ENGINEERS®, Inc.**

*Leaders in Lubricants*

