Pneumatic Tool Repair

Chesterton Lubricants/MRO Chemicals

Mining
Products: Chesterton 652
Case Study 021 LMRO

Challenge

Background

- Air drills used underground do not use oil lubricated air. Therefore, moisture, dust and dry running damages bearings and rotor.
- Unit loses power after 1 month and requires overhaul.
- During disassembly, parts are usually damaged and require replacement.

Solution

Product

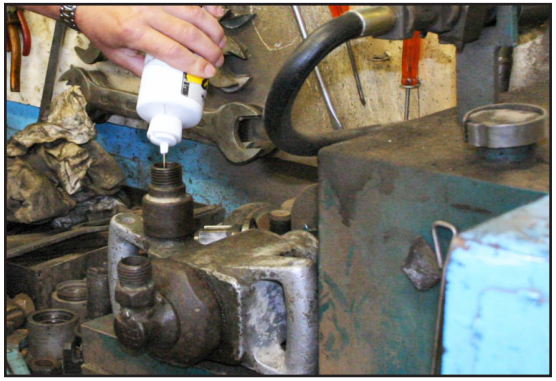
- **Chesterton 652 Pneumatic Lubricant and Conditioner** poured into the air inlet of the tool.
- The trigger engaged to open the air pathway to the rotor and bearings. After 5-10 minutes, the air tool was connected to an air line and operated.
- Heavy deposits of sludge, carbon and dirt expelled from the exhaust port.
- The tools are then tested for maximum power output.
- No disassembly and damaged parts.

Results

- Tools were tested and delivered 50% higher torque.*
- 80% of the tools restored to full power with **Chesterton 652**.

**Tested using Boehler FK 64 test machine*

Damaged air tool.



Most air tools just required cleaning and lubricating.

Cleaned, lubricated, and restored to full power.

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