

## Challenge

### Background

- Air tool accuracy is critical for quality assembly of automobiles. When the tools do not meet minimum torque specs, they are taken offline for expensive rebuilding
- At this plant, the highly used tools were often rebuilt every month
- The normal maintenance process begins with complete disassembly. Many parts have to be replaced due to failed lubrication



Typical box of tools for rebuilding – this is from one small section only!

## Solution

### Product

- Chesterton 652 Pneumatic Lubricant and Conditioner is applied into the air inlet
- Chesterton 652 cleans and removes the sticky residues from all the internal parts
- When the tool is tested, the air outlet is covered with a cloth to capture all the black residues that have been cleaned from the inside
- Tool is now cleaned and ready for use



Using Chesterton 652 Pneumatic Lubricant to clean the deposits inside the air tool.

## Results

### Improved Lubrication & Performance

- Over 80% of the sticking tools are restored to full power without costly disassembly and parts replacement
- The plant realized both labor savings and productivity improvements
- Chesterton 652 is equally effective on pneumatic cylinders to eliminate slip-stick and chatter, as well as on solenoids to stop sticking



Pneumatic tool internal residues are removed with Chesterton 652.