

Metal Forming : Odor Elimination and Improved Fluid Maintenance

HOUGHTO-DRAW® 7060

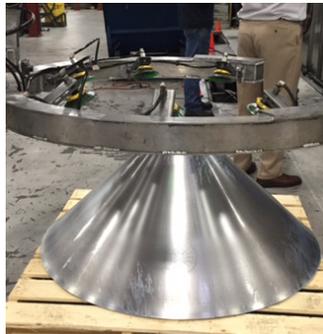
The Challenge

A Midwestern heavy gauge metal spinning company that manufactures steel and aluminum cones and caps for various industries including agriculture were having issues with their existing metalworking fluid:

- Difficult to control
- Product instability leading to microbial issues and odors
- Dissatisfied workforce who had to work in an odorous environment

Plant personnel were required to add biocide to the central system which reduced the pH. Upon the decrease in pH, additions of amines were required to increase the pH to avoid rust and corrosion issues.

The central system also needed to be pumped out annually.



The Solution

HOUGHTO-DRAW® 7060, a non-chlorinated, non-sulphurized biostable soluble oil type metal forming lubricant, was recommended.

Quaker Houghton worked with maintenance personnel and conducted a trial for the metal spinning operation utilizing approximately 10% HOUGHTO-DRAW® 7060.

After a successful trial, the metal spinning company has now converted their central system to HOUGHTO-DRAW® 7060.

In addition, Quaker Houghton initiated the installation of a smart skim system to help reduce any residual contamination and worked with plant personnel to begin a proactive maintenance program on daily checking of the concentration of the HOUGHTO-DRAW® 7060.

The Benefits

The implementation of HOUGHTO-DRAW® 7060 resulted in:

- Reduced downtime resulting from no pumpouts
- Decreased monthly lubricant consumption from 8-10 drums/month to 2 drums/month due to recycling fluid
- Discontinued use of the previously added biocide and pH booster
- Improved housekeeping as the odor associated with microbiological growth has been eliminated
- Increased customer satisfaction with the lubricant performance and the cost savings in reduced fluid consumption and need for additive additions

The Product

HOUGHTO-DRAW® 7060 is a heavy duty, biostable drawing and stamping fluid. Capable of working in multiple applications on a wide variety of metals, it is a lubricant that is compatible with hard water, clean running, and biostable which assures a long, odor-free sump life. It provides excellent corrosion protection without staining. HOUGHTO-DRAW® 7060 has low foam with reduced disposal cost, less down time, and operator acceptance. Its excellent stamping and forming properties provide increased tool life and improved surface finish.

