



APPLICATION CASE STUDY

COMPANY DETAILS – Woodbine Tool and Die Mfg.

Woodbine Tool and Die Manufacturing Limited is a 3-dimensional (Design, Tool Build, Manufacturing) company with over 300 employees and two facilities located in Markham, Ontario Canada. The company designs and manufactures tools and dies and produces stampings and welded assemblies mainly for the automotive industry.



METAL MATES PRODUCTS IN USE

HDP Water Based Stamping Lubricant

HDP HSS Specifically formulated for High Strength Steel

CUSTOMER NEEDS IDENTIFIED

Some of the challenges that Woodbine Tool and Die Manufacturing was facing:

- Used about 20 different lubricants from 5 suppliers.
- Process was decentralized and departmentalized, almost every operator running with a different lubricant.
- Floor space had to be allocated to stock the different fluids.
- Some tools were running with inappropriate fluid leading to a lot of waste and parts rejected
- Customer needed an effective Lube for High Strength Steel



ACCEPTED BENEFITS

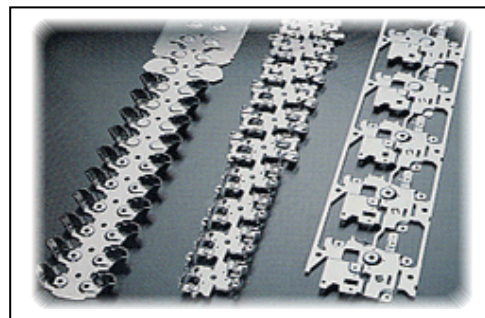
The high quality of the **HDP** water based stamping lubricant has enabled to:

- Increase tool life thus reducing tool P/M frequency
- Produce higher quality parts off the press.
- Eliminated countless hours of pre-cleaning of parts prior to the secondary welding operations.
- Extended life of the exhaust filtering system at the weld cells

Metal Mates **HDP HSS** is a beefed up product used to supplement the standard lube when operator encounters trouble on high strength steel parts. It can be used as a sole stamping lube or applied directly to hot spots in the progressive dies.

VALUE TO CUSTOMER

- Cost Savings
- Simplified the Product Process
- Less Fluid Consumption
- Extended Tool Life
- Extended Exhaust Filtering System Life
- Better Coolant Maintenance Program
- Eliminated one operator that was dedicated to that process.



Area: Ontario - Canada

Date: 2005- ongoing

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