

# General Industry

## Case Study:

**PROCUT SSA improves tool life and surface finish**

### The Unique Challenge

A large global manufacturer of fittings, valves, hoses and a variety of other products was looking for ways to increase manufacturing plant efficiency and promote continuous improvement.

An opportunity arose when one of their rotary transfer machines, used to manufacture 304 and 316 stainless steel fittings, needed a tooling change sooner than its' expected replacement. The customer was interested in finding a higher performing cutting oil that would meet or exceed tool life expectations



### The Houghton Approach

Houghton recommended replacing their current product with **PROCUT SSA**, a medium viscosity heavy-duty cutting oil, specifically designed for machining stainless steels.

**PROCUT SSA** provides extreme pressure properties when pipe threading, tapping, reaming, or broaching.

### Results and Benefits

Once the switch to **PROCUT SSA** was made the customer no longer had to replace tooling in advance of the expected replacement schedule. This resulted in an increase in tool life and machine uptime and a decrease in labor costs. A bonus benefit was a greatly improved surface finish in their reaming operation, reducing scrap rate by 20%.



***\$120,000 in total annual savings***



*PROCUT SSA , an excellent choice for heavy-duty stainless steel machining applications*



**HOUGHTON®**

# Fluid Partnerships Making A World Of Difference

Case study after case study demonstrates why Houghton International is leading the global Metalworking Fluids market today. More than 20,000 customers worldwide across a diversified range of manufacturing processes have improved operations due to the mission-critical product portfolio of Houghton.

## Building A Team For Customer Success

An approach that combines chemistry and technology with business expertise uniquely positions Houghton to support customer growth and changing market requirements. With around 2,000 employees in 80 countries, and 12 manufacturing facilities in 10 countries, we are well prepared to capture regional and local business opportunities and support growing expansion of global customers.

Through innovation, expertise and efficiency, our engineers and business specialists are able to build a team with the customer that ensures product optimization, employee health and safety, procurement and logistics management, and reduction of environmental impact. By providing both the solution to customers' fluid challenges and the foundation for continued improvement, Houghton offers a proven method of sustainable profitability.

***For immediate consideration and evaluation of your fluids needs, and to request additional support material, please contact your Houghton International sales representative at [www.houghtonintl.com](http://www.houghtonintl.com)***

## Houghton International Product Portfolio



- Metal Removal . . . . . 35%
- Hydraulic Fluids . . . . . 14%
- Steel Rolling . . . . . 12%
- Metal Finishing . . . . . 12%
- Non-Ferrous Rolling . . . 7%
- Heat Treatment . . . . . 7%
- Metal Forming . . . . . 5%
- Metal Protection . . . . . 4%
- Metal Cleaning . . . . . 3%
- Other . . . . . 1%

## Established Client Relationships

Houghton International has long-standing partnerships with over

**20,000 Leading Global Customers**

servicing their metalworking fluids needs across a wide range of applications and diversified end-markets including **automotive, aerospace, fabricated metal goods, bearings, energy, non-ferrous and steel.**



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