

Automotive

Case Study:

HOCUT®4800 transformed a “smelly” situation into a “sweet” savings improvement

The Unique Challenge

The leading manufacturer of forged steel wheels and axles for freight railcars, locomotives and passenger railcars in North America was having an odor issue in one of their key production operations where cast iron ingots are sawed. A rancid odor permeated the production area creating a highly unpleasant working environment. The coolant sump was supporting the growth of bacteria which caused the unhealthy air quality.

Machine operators, production supervisors, and visitors to the production area complained of the offensive odor. The coolant in the sumps had a brownish coloration and sump-side additions of biocide were used in an attempt to minimize the odor. Despite the effort, the coolant could not be efficiently recycled which resulted in the need to continually haul off large volumes of waste coolant from the sump.



HOCUT®4800 does not support the growth of bacteria or fungi. The plant manager agreed to try it and added **HOCUT®4800** over top of the old coolant in two systems.

With this simple change in coolant, this manufacturer has not only been able to create a healthy, odor-free working environment, but has significantly improved the bottom-line.

Results and Benefits

- **Improved tool life: reduced blade usage by one blade per shift**
- **Improved cost per cut by \$1.95**
- **Reduced coolant usage by one tote per day by recycling**
- **Increased production by 5 wheels per day via reduced down-time and higher throughput**
- **Eliminated need for sump-side addition of biocide**
- **Reduced disposal of waste coolant to practically zero**

HOCUT®4800
creates a cost effective, healthy, odor-free working environment

The Houghton Approach

Houghton proposed switching to the biostable **HOCUT®4800** which is a heavy duty soluble oil coolant with extreme pressure additives to enhance lubricity and provide high corrosion protection.

\$520,000 in Annual Cost Savings



HOUGHTON™
Fluid Partnerships Making a World of Difference

Fluid Partnerships Making A World Of Difference

Case study after case study demonstrates why Houghton International is leading the global Metalworking Fluids market today. Growth industries, such as automotive, aerospace, energy, steel and aluminum rolling, fabricated metal goods and energy, look to Houghton for Total Chemical Management. For over 150 years, our technology, coupled with value-added services such as formulation and on-site customization and monitoring, has reduced our customers' operating costs, improved productivity, increased product quality, and strengthened overall competitiveness. Currently, >13,000 customers worldwide, across a diversified range of manufacturing processes, have improved operations due to the mission-critical product portfolio of Houghton.

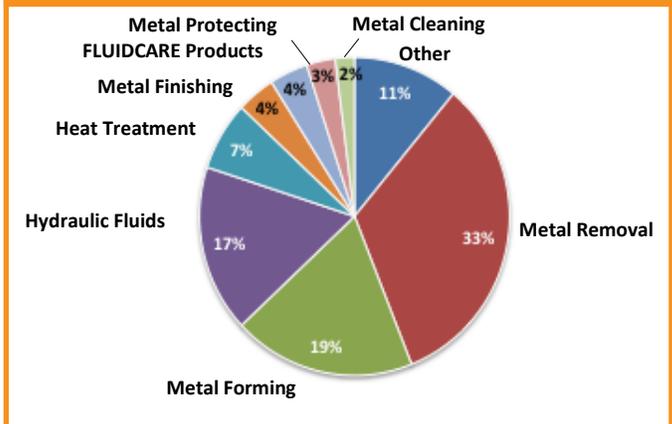
Building A Team For Customer Success

An approach that combines chemistry and technology with business expertise uniquely positions Houghton to support customer growth and changing market requirements. With over 2,000 employees in 33 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 houghtonintl.com/en-us/requestinfo.

Mission Critical Product Portfolio



Established Global Footprint



Established Client Relationships

Houghton International has long-standing partnerships with over

13,000 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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