

Industries Rely On Houghton And FLUIDCARE™ To Drive Down Operational Costs And Increase Profitability

We deliver innovative technology, chemistry, high performing products and services that help our customers spend less and be more productive.

Did you know?

- By adopting Houghton Metalworking Technologies, customers have seen their tool life improve significantly (**10%–20%**), while productivity and quality have increased by up to **30%**.
- Houghton's **HOCUT® 795** series is the most widely used cutting fluid in the world due to its wide application base and resistance to biological problems.
- In 2013, Houghton's FLUIDCARE Chemical Management System saved a leading Automotive manufacturer **>\$5M in cost savings**.
- Customers who fully embrace the Total Chemical Management philosophy have seen operational savings of up to **15%**.

FLUIDCARE'S Proven, Sustainable Benefits



FLUIDCARE
commits to a
partnership where
the only outcome is
Success –

GUARANTEED!

Houghton's Metalworking Fluids have a proven track record of performance and over 1,700 automotive approvals with customers around the globe.

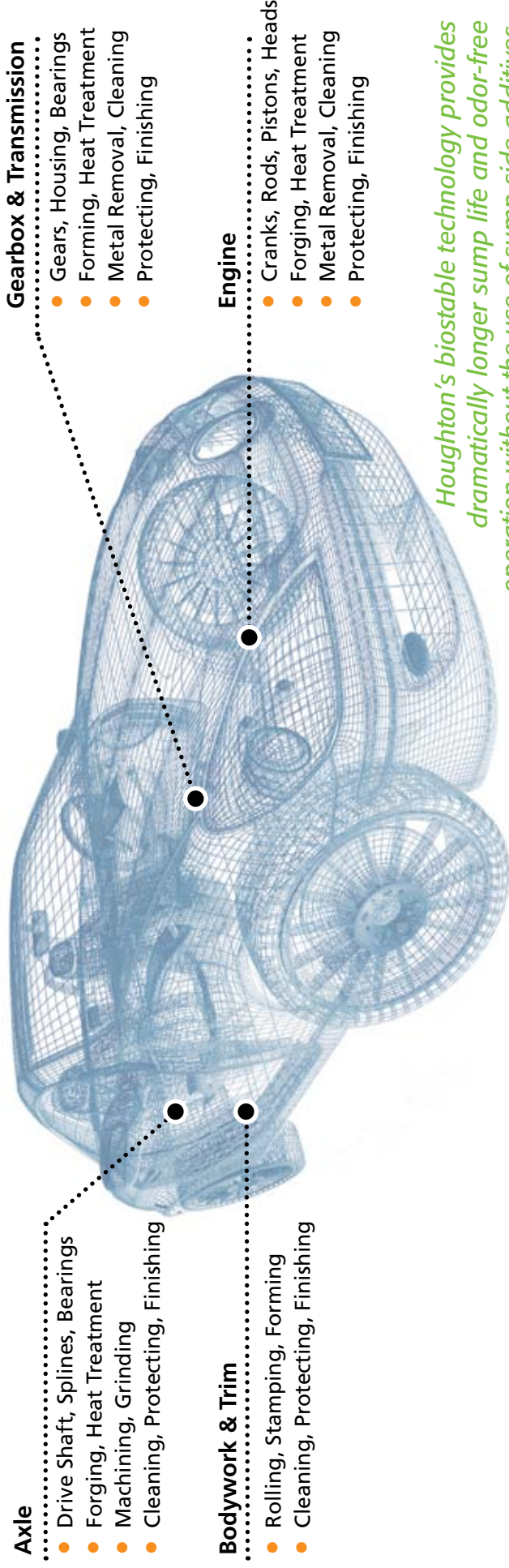
We invite you to further review our capabilities by visiting houghtonintl.com and downloading the latest series of Houghton's case studies. Each summarizes the "Unique Challenge" presented to us and the "Houghton Solution" where measurable cost savings and other benefits were achieved.



HOUGHTON™

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Houghton's biostable technology provides dramatically longer sump life and odor-free operation without the use of sump-side additives.

We're Driven By A Singular Focus – Customer Success

Houghton's Metalworking Fluids can be found in nearly all aspects of the automotive manufacturing industry. With a singular focus on customer success, we solve the toughest technical challenges and support diverse and widespread customer operations.

Houghton provides the Automotive industry with the widest and most diverse range of Automotive-Approved Metalworking fluids encompassing:

- Metal Forming
- Heat Treatment
- Metal Removal
- Metal Cleaning
- Metal Protection
- Metal Finishing

Houghton's Hocut® TR-2000 series represents an innovative and significantly improved approach to machining for the Automotive Industry

- Hocut TR-2000 series utilizes a 2-phase technology and can be optimized for a diverse array of machining operations
- Hocut® 4000 series is built upon Houghton's 795 biostable platforms with the inclusion of high lubricity for difficult machining, combined with low oil semi-synthetics for grinding operations. The 4000 series can be tailored to meet your specific machining requirements



Learn more by contacting your FLUIDCARE representative for immediate consideration and evaluation of your fluid needs by contacting houghtonintl.com/en-us/requestinfo