

LONG-LASTING FLUIDS FOR SYSTEM STABILITY



IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.

 **Castrol** *HYSOL*

YOUR ANSWER TO THE CHALLENGES OF MACHINING FERROUS ALLOYS



Ferrous alloys are widely used to manufacture the components, equipment and tools employed across several industries, including automotive, machine manufacturing and fabricated metal goods.

When it comes to working with ferrous alloys, harsh conditions make it difficult to keep metalworking fluids stable. Tramp oil, swarf and waste can leach into the system and encourage bacterial growth, reducing the life of the fluid and compromising cutting performance. Ultimately, the system can fail. Combating this can involve constant maintenance interventions, which add complexity and cost to your operations.

That is where Castrol Hysol makes a difference to the way you work. Its resilient additive technology resists the negative effects of bacterial growth, which is caused by contamination. This means your metalworking systems maintain performance, so you can rely on them to work harder for longer.

Castrol Hysol is formulated to help you:

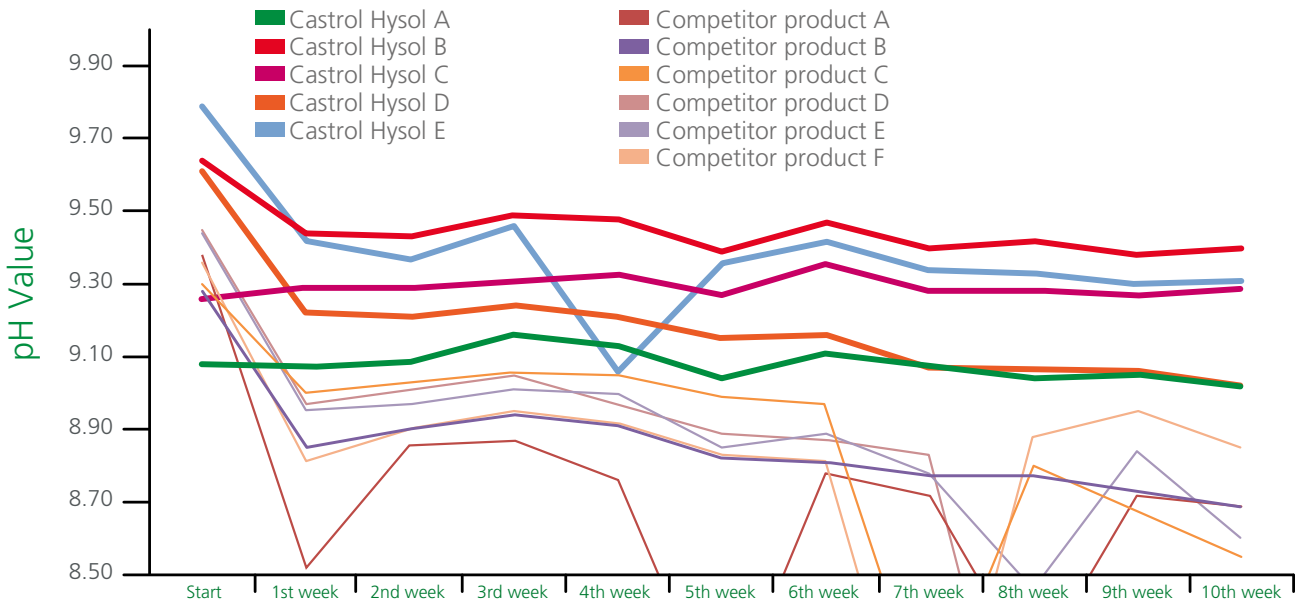
- Achieve long system life and clean machines by maintaining the pH level for longer.
- Reduce maintenance interventions and machine downtime.
- Minimise cutting-fluid consumption and generate less waste to help save money.

LONG-LASTING STABILITY PROVIDED BY THE CASTROL HYSOL RANGE

Castrol Hysol is a family of hard-working cutting fluids that get the job done to improve your productivity. They have been formulated to maintain stability, extend fluid life and reduce maintenance, to help you meet your environmental, legislative and waste-treatment targets.

Manufacturers often use a variety of machining processes and metals. Castrol has formulated high-performing metalworking products within the Castrol Hysol range to help address the problems associated with performing multiple machining operations. These products help to simplify operations and make it easier to meet the demands of your business.

pH DEVELOPMENT DURING MICROBIOLOGICAL LAB TESTING*



*Castrol in-house microbiological test method. Occupation with bacteria and fungi isolated from field used oil samples.

CASTROL HYSOL DELIVERS PROVEN BENEFITS



IMPROVED SYSTEM OPERATIONS

After switching to one of the products in the Castrol Hysol range, an automotive OEM was able to reduce coolant concentration, cutting fluid consumption by 40% and saving a staggering \$46,500 a year.



SYSTEM STABILITY

A supplier of medium and large rolled rings to power-generation, oil & gas, and construction companies unearthed the true value of a Castrol Hysol product. They found that the product significantly reduced maintenance time and the need for biocide/alkaline additives – cutting costs in the process.



PERFORMANCE OPTIMISATION

A component manufacturer switched to Castrol Hysol to perform milling and drilling on a range of metals, including titanium, aluminium and steel. Opting to use Castrol Hysol empowered the manufacturer to increase end-mill tool life tenfold and cut ten times more parts per end mill than its previous metalworking fluid allowed it to.

Please contact us today for further information.

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