

Keeping industry running smoothly





A proven lubricant partner with the expertise to help you succeed

Our business

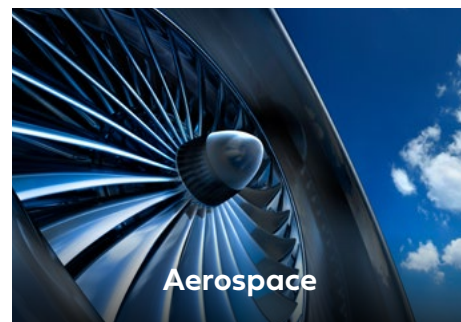
Castrol® is a company of pioneering experts in lubricant technology. The lubricants and metalworking fluids we develop help in our everyday lives: From lubricating our car engines and the robots used to build them, to machining metal parts used in all kinds of equipment, industries and transportation, including aircraft. We help in the production of steel, the generation of power from wind turbines, and have been on missions to the Moon and to Mars. Castrol® helps ensure the smooth running of our lives as well as our economy.

Our people

Everything we do is as a result of the knowledge and expertise of our people, our partners and our customers.

Our people have a deep understanding of the lubrication needs of industries as diverse as automotive and machinery manufacturing, aerospace, steel making, wind energy generation, cement production and many more. Our understanding is what sets Castrol® apart from other providers, and it comes from working collaboratively with partners and customers to share knowledge and ideas to create the best possible solution.

Our expertise



Our products

At Castrol®, everything we develop is driven by understanding the challenges our customers face. We develop advanced lubricant technology to help our customers overcome these challenges. We apply our expertise, environmental leadership and global reach to provide solutions for maximum reliability and performance.

Alusol®

Castrol® **Alusol®** helps manufacturers meet the demand for accurate lightweight components with tight tolerances made from aluminum and aluminum alloys. Its balanced formulation delivers lubricity additives where the tool edge and work piece meet to virtually eliminate metal build up, even at low concentrations, to make precision machining aluminum a reality.

Hysol®

Castrol® **Hysol®** gives manufacturers the reliability and stability that makes a real difference when it comes to machining ferrous metals. It contains resilient additive technology to resist the degrading effects of contaminants – like tramp oil, swarf or waste – which encourage bacterial growth, and means metalworking systems maintain performance for longer.

Syntilo®

Castrol® **Syntilo®** puts the heat generated by high-speed machining to the manufacturer's advantage. Its clean synthetic technology combines the cooling properties of water with advanced lubrication activated by heat generated at the cutting edge, which can reach over 1000°C: a transformation which protects tool life and delivers a quality finish.

Tribol®

Castrol® **Tribol®** actively responds to different operating conditions to protect equipment from mechanical failures – around 60% of which are lubricant related. Trusted by thousands of businesses worldwide, it helps protect against wear and mechanical failure of vast amounts of equipment used in various applications across a wide range of industries.

Brayco®

Castrol® **Brayco®** performs with absolute reliability in the most extreme environments where failure is not an option. In deep space environments with vacuum conditions and temperatures of -80°C, or in safety-critical valves operating under extreme pressures of the sea bed, Castrol® Brayco® delivers extreme performance wherever boundaries are being pushed.

Optigear®

Castrol® **Optigear®** is the first fill gear oil of choice for the world's top wind turbine manufacturers. Its advanced formulation contains MFT Plastic Deformation technology, lowering friction by up to 60%, compared to standard gear oils. By reducing gearbox operating temperatures and resisting wear and pitting, it optimizes gearbox efficiency.

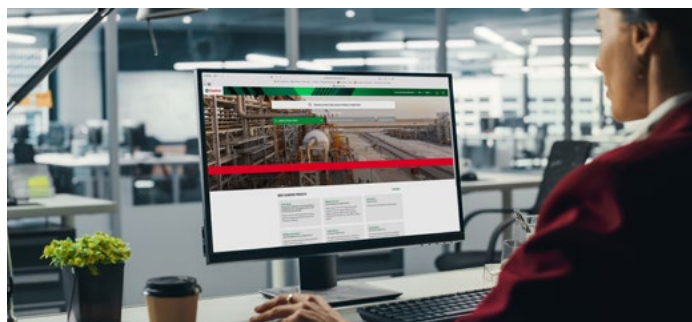
Molub-Alloy®

Castrol® **Molub-Alloy®** provides outstanding protection under the heaviest loads. The strength of these oils and greases allows equipment to keep working no matter how tough it gets. They are formulated with microscopic solid particles which bond to surfaces, absorbing the pressure of shock and heavy loads to prevent metal-to-metal contact.

And more.

Our extensive product ranges help ensure the smooth running of a wide range of processes across a variety of industries.

You can explore our product offer using our interactive tool, **The Lubricant Oracle**.



The Lubricant Oracle is your source of detailed, technical information on the entire Castrol® portfolio. You can also use it to help select the right products for your application.

thelubricantoracle.castrol.com

Castrol® industrial products

Best-in-class products designed to drive cost savings and productivity

Cutting & grinding fluids

Synthetic metalworking fluid
Semi-synthetic metalworking fluid
Soluble metalworking fluid
Straight oil metalworking fluid
Tapping compounds

Industrial cleaners

Immersion
General maintenance
Spray wash
Ultrasonic

Deformation

Dry-film
Pastes
Semi-synthetics
Soluble oils
Straight oils
Synthetics
Vanishing oils
Wax emulsions

Greases

Heavy duty greases
High temperature greases
Low temperature greases
Open gear greases

Industrial lubricants

Gear oils
Hydraulic oils (petroleum)
Hydraulic oils (fire resistant)
Slideway lubricants
Compressor oils
Chain oils
Air tool oils
Assembly pastes

Corrosion preventives

Oil-based
Solvent
Based
Synthetics
Thixotropic

Specialty greases

Anti-lock brake system greases
Air leveler, boot lubricant
Bearing greases
Heavy duty greases
High temperature greases
CV joint greases
Flourolubricants & solvents
Hydraulic clutch lubricants

Environmentally responsible

Cutting and grinding oils
Forming fluids
Maintenance oils
Specialty oils

Heat treat

Oil quenchants
Aqueous quenchants

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