

METALWORKING

SYNTHETIC COOLANTS

YOUR ADVANTAGE IN AN INDUSTRIAL WORLD



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THE EXPERTS IN COOLANT TECHNOLOGY

CASTROL OFFERS YOU A COMPREHENSIVE RANGE OF WORLD-CLASS FULLY SYNTHETIC COOLANTS AND PRODUCT SUPPORT SERVICES THAT WILL HELP YOU TO:

- > **Increase productivity**
- > **Improve health, safety and environmental performance**
- > **Meet your machining requirements**
- > **Reduce coolant use**

For many years, Castrol has been at the leading edge of synthetic coolant development. This has resulted in a world-class range of synthetic coolants – and the technical expertise to support them globally.

We can offer you global process and applications expertise through our network of sales, engineering and research specialists. Our goal is to increase your productivity and help you achieve your important environmental targets.

Simply, you can trust Castrol to provide the right product for the job, across all your operations.

A CHOICE TO SUIT YOUR NEEDS

Castrol has a high-performance and versatile range of synthetic coolants that will satisfy your machining requirements.

As the experts in coolant technology, our sales team will work with you to choose the right products for your operations, taking the following important factors into account:

- The machining process – speed, feed, depth of cut
- Material specifications
- Water quality
- Surface finish requirements
- System parameters – size, filtration
- Local legislative requirements
- Waste treatment
- Compatibility with your entire process

CASTROL SYNTHETIC COOLANTS GIVE YOU THE ADVANTAGE

Choosing our synthetic coolants will boost your productivity

- Increased feed and speeds reduce your cycle times
- Enhanced tool life cuts downtime and tooling costs
- Low foam technology permits use at high coolant pressures
- Cleaner components mean easier handling and reduced cleaning time
- Easy-to-manage products let you focus on your core operations

Our products can help you to improve your health, safety and environmental performance

- Bacteria-resistant technology reduces odours and the need for tankside biocides
- Clean machines enhance the work environment
- Longer system life reduces the volume of waste fluid that needs to be treated
- We will recommend products which will meet local legislative requirements, e.g. boron, chlorine, phenol, nitrite-free
- Lowers the risk of fire compared with neat oils
- Reduces housekeeping requirements compared with neat oils
- Increases operator acceptance compared with other soluble and neat oil alternatives

Our range of synthetic coolants are under the 'Syntilo' name.

We can meet your machining requirements

- Our comprehensive range meets your operational needs – from grinding to broaching, from ferrous metals to specialist aluminium alloys
- Multi-metal compatible fluids reduce the risk of metal incompatibility
- Moving to synthetic coolants allows you to consolidate your product inventory

We will help you reduce your coolant use

- Enhanced wetting characteristics lead to low coolant drag out
- Oil rejecting properties allow for efficient tramp oil removal, extending system life
- Castrol's synthetic coolant technology increases sump life, extending re-charge periods
- Our range can be easily reconditioned, reducing top-up requirements