CASTROL® TECHNICLEAN™ XBC
INDUSTRIAL CLEANING FLUID

EFFECTIVELY **REDUCES WASTE** AND **INCREASES PRODUCTIVITY**

Contact us today at 888-CASTROL.

www.castrol.com/industrial-us

IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.® **Castrol**

HOW CAN EFFECTIVE CLEANING ENSURE REDUCED WASTE AND INCREASED PRODUCTIVITY?

Modern cleaning fluids usually perform well in cleaning metal parts that are machined with latest technology soluble cutting fluids, but it can be challenging to separate certain coolant components from the wash bath, such as water soluble esters. As a result, the cleaning fluid quickly becomes contaminated to the point where it needs to be replaced to maintain its performance. And as bath life goes down, fluid costs go up – both for refills and disposal. So what's the solution?
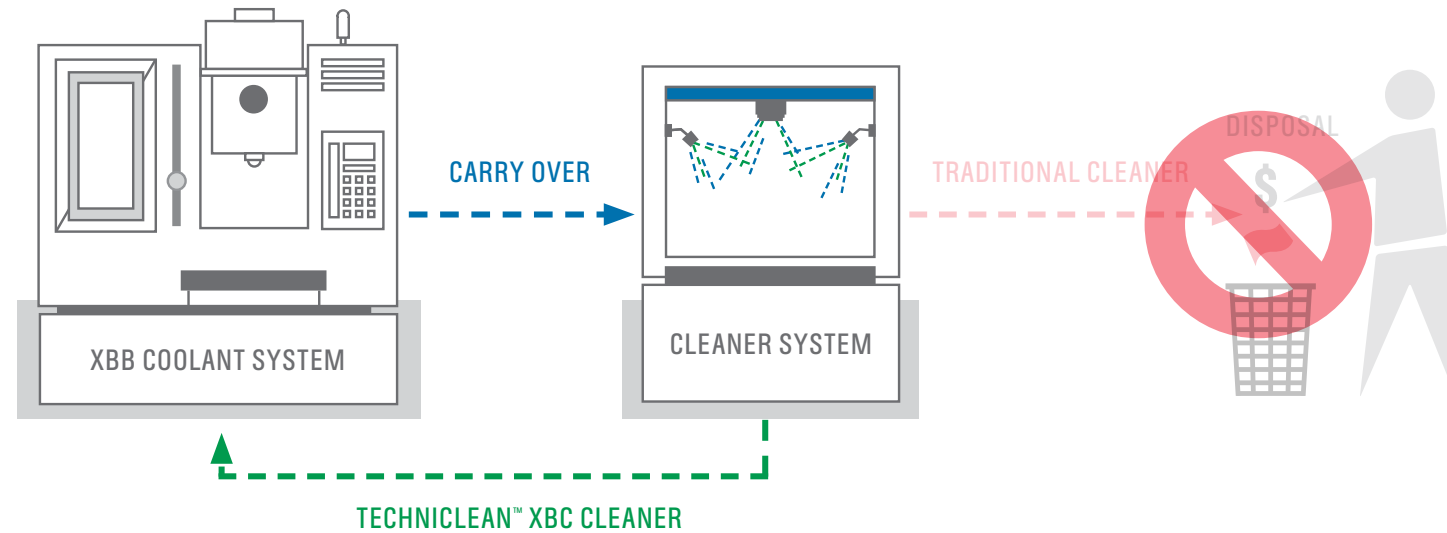
INTRODUCING CASTROL TECHNICLEAN XBC.
LESS WATER. LESS WASTE. MORE PRODUCTIVITY.

Castrol® Techniclean™ XBC is a new high-performance cleaning fluid offer that increases productivity in precision metalworking process chains, while simultaneously reducing water consumption and waste generation.

Suitable for use with a wide range of modern spray, intensive flood-wash and high-pressure equipment, Techniclean™ XBC solves this problem through ready compatibility with Castrol® Alusol® and Hysol® XBB cutting fluids.

Rather than being disposed to waste at the end of its useful cleaning life, Techniclean™ XBC can simply be recycled into the cutting fluid system with no loss of performance.

Water consumption is reduced accordingly, as are used-fluid disposal costs, which means Techniclean™ XBC helps contribute to the notion of a 'circular economy' where waste and pollution are 'designed out' to reduce negative environmental impacts.

CARRY OVER

TRADITIONAL CLEANER

DISPOSAL

XBB COOLANT SYSTEM

CLEANER SYSTEM

TECHNICLEAN™ XBC CLEANER

Castrol® Techniclean™ XBC cleaning fluid helps reduce waste to contribute to the 'circular economy'.

"Techniclean™ XBC is not just a cleaner that offers excellent performance in industrial metalworking process chains. Its compatible DNA to our Castrol® Alusol® and Hysol® XBB coolants also allows companies to reduce their operational cost and help to optimize their environmental profile regarding the CO_2-footprint."

Michael Petzold, Global Product Manager at Castrol

PRODUCT FEATURES		TECHNICLEAN™ 45 XBC	TECHNICLEAN™ 80 XBC	TECHNICLEAN™ 90 XBC
TECHNICAL PERFORMANCE	MULTI-METAL	✗	✓	✓
	CAST IRON CORROSION PROTECTION	✓ ✓	✓	✓
	HIGH PRESSURE APPLICATION	not recommended	✓	✓
	LOW TEMPERATURE APPLICATION	✓	✓	✓
	HARD WATER STABILITY	✓	✓	✓
	RECYCLABLE IN XBB COOLANTS	✓	✓	✓
FORMULATED WITHOUT	BORON	✓	✓	✓
	FORMALDEHYDE RELEASING BIOCIDES	✓	✓	✓
	MONOETHANOLAMINE (MEA)	✗	✗	✓

CASTROL® TECHNICLEAN™ XBC IN ACTION

This automotive supplier was looking for continuous improvement to reduce their water consumption, save on resources, and lower their waste cost.

Now, all cleaning machines have been converted to Castrol® Techniclean™ 80 XBC and this is being recycled into two XBB central coolant systems (15,000 gal. each) without compromising machining performance.

The use of Techniclean™ XBC not only ensured that cleanliness levels were met, it has also improved chip quality while reducing humidity post centrifugation. This allows for better cleaning properties in cutting operations and improve filter cake on belt filter.

REPORTED ANNUAL REDUCTIONS:

SUSTAINABILITY   WATER SAVINGS   RECYCLING

- Reducing the cleaning solution disposal by 40,000 gal. resulted in a saving of $21,000 and CO_2 by 9,000 lbs
- Decreasing the top-up water by 40,000 gal.

FIND THE PERFECT CASTROL® TECHNICLEAN™ XBC VARIANT FOR YOUR SPECIFIC APPLICATION

Castrol® Techniclean™ XBC is formulated without boron, and formaldehyde releasing biocides to comply with the latest HSE legislation. Techniclean XBC is also available in three variants to meet local requirements – Techniclean™ 80 XBC and 45 XBC containing MEA (Monoethanolamine), and Techniclean™ 90 XBC formulated without MEA.