

Improved working environment with chemical-free treatment of coolants

Coolants are one of the areas within the metalworking industry that affect employee health the most. Bacteria, mould and damp thrive in coolants and the most common method of resolving the problem is to add biocides. It is now possible to reduce the number of bacteria in coolants without the use of chemicals – a move that will benefit both the working environment and the economy.

Wallenius Coolant System removes the harmful microorganisms in coolants without adding biocides. The system has a positive impact on health and safety, while extending the lifespan of the coolant and reducing odour.

Wallenius Coolant System is installed in the machine shop at Swedish steel company SSAB: “One of our goals is to be constantly one step ahead of legislation when it comes to our employees’ working environment,” says Anders Jacobsson, Assistant Head of SSAB’s machine shop.

High levels of bacteria and biocides in coolants often result in high levels in the air, which can lead to infections and allergies in the long run. An increasing number of companies are endeavouring to cut back on the use of chemicals as part of their efforts to protect health and the environment. In 2014, more stringent legislation is expected to come into force, which will restrict the use of biocides that are hazardous to health and the environment.

Biocide-free, cost-effective treatment of coolants

Wallenius Coolant System has been developed by Wallenius Water and is adapted to continually reduce the amount of bacteria in coolants. Wallenius Coolant System does not generate any dangerous by-products; it lowers the number of microorganisms, enables the reduction of biocides and reduces odour. And since the coolant does not need to be replaced as often, the method also saves companies money, both through fewer production stoppages and lower consumption of coolants.

Castrol Industrial, global supplier of coolants, has been providing coolants to SSAB for many years: “We have a clear and active environmental focus and there was no hesitation in recommending Wallenius Coolant System as a solution for SSAB. We’re thrilled that it has improved the working environment for them in such an efficient way,” says Johannes Rid, Country Manager Castrol Industrial/Nordic Lubricants AB.

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Wallenius Water was founded in 1996 and is an environmental technology company that has developed a chemical-free method of treating water. Today, the patented method, Wallenius AOT, is used to treat everything from drinking water and water in cooling towers and greenhouses, to water and fluids used in various industrial processes and ballast water. The technique is effective and economical. www.walleniuswater.com