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Maintain coolants using specialist additives

While we all navigate the current uncertainties, the one common factor and important thing to remember is that we are all in this together. Some production facilities have restrictions in place and are not in a position to allow contractors on site, which can raise some unforeseen issues, especially when it comes to water-miscible cutting fluids. To minimise the impact this restriction has on production, Oemeta UK has developed a comprehensive package for businesses looking for guidance.

Oemeta UK is highlighting the benefits of using additives in coolants, to maintain or prolong a fluid's qualities. Whatever situation you find your production in, preservation is highly important during this time.



On the one hand, you may find that your production is not reaching its full potential and you are in a position where you need to reduce the number of your working machines, or unfortunately, even consider shutting-down operations for a period. There are a number of additive options which can prolong the life of coolant for when work picks up again, these include: pH buffers, bactericides, fungicides and biocides. System cleaners are also an option for periods of shutdown and prepare machines for a problem-free refill.

pH buffers are used to increase coolants pH that may have been degraded due to a reduced workload and the ingress of microbiology. Bactericides are used to treat machine tanks that are infected with bacteria and may be producing bad smells or as a pre-treatment, where the machine is anticipated to be shut down for a prolonged period. Fungicides are used to treat machine tanks where fungal solids have been visibly detected, either on coolant tank walls or partially blocking coolant nozzles.

Biocides will treat tanks infected with both bacteria and fungus. They are very effective, but care must be taken and all safety advice followed when treating products. System Cleaners are added before a machine is shut down to kill microbiology, wash down machine tools, internal pipes, coolant tanks and cabinet walls. The use of System Cleaner ensures machine will have no start up issues when refilled with coolant.

On the other hand, your production may be in huge demand and you need to ensure that your cutting fluids are always in tip-top

condition to meet such pressures. If this sounds familiar, then all of the pre-mentioned additives can be considered.

Not only does Oemeta UK provide additives, also included is everything required to use these specialist fluids. Firstly, "how to" documents will be supplied explaining exactly how to handle, dose and the PPE requirements for additives. Secondly, all health and safety documentation will be supplied. Thirdly, Oemeta UK will provide remote training to the individuals tasked with using the additives to ensure they are comfortable with all stages of the process. Additionally, a dosing calculator form to make sure the right quantities are being used is also provided and finally, an easy-to-read measuring container will be sent to use with the additives.

Whatever position your business is in at the moment and if you are a user of coolant, do consider additives. The reduction in microbiology and improved cleanliness offers further benefits, including keeping machine operators safe, preventing damage to machine tools, maintaining good machine condition, reducing waste and keeping costs down.

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