



Techniclean MTC 43

Machine tool and system cleaner

Description

Castrol Techniclean™ MTC 43 is a liquid, mildly alkaline, medium to heavy duty machine tool and system cleaner, based upon powerful low foaming surfactants, emulsifiers and anti-microbiological agents.

Application

Techniclean MTC 43 has been specifically formulated to deal with a wide variety of machine tool and system contaminants including fatty build-up in pipelines and floor ducts. Techniclean MTC 43 is easy to use with minimum disruption to production, being added directly to the coolant system whilst still in operation. Floating tramp oil is emulsified.

Conditions of Use

- An addition of 1 - 3% of Techniclean MTC 43 is recommended. The amount added depends on the general condition of the coolant system (1% is usually adequate)
- Introduce Techniclean MTC 43 where there is a good coolant movement, e.g. immediately beyond the pump outflow back to the main settling tank, or direct into a velocity trench or floor return channel. This ensures complete mixing with the coolant.
- Add Techniclean MTC 43 8 - 24 hours before the coolant is scheduled to be discarded. The machine tools should then be operated normally for a minimum of eight hours.
- Machine tools, which are not wetted by the emulsion, could be cleaned manually by using a 2 - 3% dilution of Techniclean MTC 43.
- Following this period of circulation (max 24 hours), empty the entire coolant system and machines and dispose of the coolant in accordance with normal work procedures.
- Rinsing with a fresh coolant (about 1%) is recommended.

Advantages

- Low foam and compatible with common soluble coolants and metal substrates – can be used whilst machines are operating normally which reduces maintenance and disposal costs
- Keeps machine tool systems in a clean and efficient condition – minimises downtime and so improves productivity
- Highly effective against bacteria and fungi contaminations – improves environment for workforce

Typical Characteristics

Name	Method	Units	Value
Appearance	Visual	-	clear, slight yellow to amber liquid
Density @ 20 °C	DIN 51 757	kg/m3	1068
pH (5% dilution)	-	-	8.8

User Advice

Care should be taken with handling the Techniclean MTC 43 concentrate to avoid eye and skin contact. Although it is not expected that the risks of exposure to metalworking fluid will change as a result of the addition of Techniclean MTC 43, it is recommended that the normal appropriate handling precautions are used to avoid skin and eye contact with the fluid during this period.

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