

Innovate

Aerospace Coolant, Formulated to be Future-proof

Brought To You By Master Fluids Solutions | Jul 25, 2017

What You Need to Know

This aerospace semi-synthetic has both Boeing and Airbus approval.

Formulated from the most environmentally safe ingredients.

It delivers the optimum combination of cooling and lubricity for machining titanium.



Master Fluids Solution's TRIM MicroSol 590XT is an advanced semi-synthetic, micro-emulsion coolant that has been specifically developed to meet the needs of those serving the aerospace sector, both now and in the future.

The formulation of the coolant excludes components which are currently compatible with airframe manufacturing standards but are nevertheless being closely scrutinized by the industry.

This aerospace semi-synthetic has both Boeing and Airbus approval and harnesses the latest technology to provide long life and excellent protection of sensitive alloys, including both aerospace and nuclear materials. It improves on the performance of previous generations with unmatched lubricity and sump life for substantial time and material savings; no tank-side biocides or fungicides are required.

This is a highly stable, translucent micro-emulsion that is formulated from the most environmentally safe ingredients. As well as being free from secondary amines, it contains no chlorinated or sulphurised extreme pressure additives, formaldehyde releasers, phenols or boron.

To meet the need for demanding, high pressure, high volume applications the coolant provides excellent foam control and low carry-off. It delivers the optimum combination of cooling and lubricity for machining titanium, 6000 and 7000 series aluminums as well as typical aero engine materials such as stainless steel and Inconel.

As well as being an excellent alternative to milky soluble oils on high silica aluminum it also provides superior corrosion inhibition on all ferrous and non-ferrous metals and keep parts and machines exceptionally clean to reduce production and maintenance time.

The coolant provides a single fluid solution for high-tech aerospace manufacturers seeking compliance, optimum machine performance, quality parts and assurance of environmental safety.

Kay Takeaways

- TRIM MicroSol 590XT is an advanced semi-synthetic, micro-emulsion coolant that has been specifically developed to meet the needs of those serving the aerospace sector.
- Provides long life and excellent protection of sensitive alloys, including both aerospace and nuclear materials.
- The coolant provides a single fluid solution for high-tech aerospace manufacturers.

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