SARCOOL XT-SH

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Product Code: IC0704

SAR Lubricants

SARCOOL XT-SH is a formaldehyde free, highly bio-stable water-miscible coolant designed to give outstanding performance when machining a wide variety of materials. The ultra-low foam performance in all water types reduces misting which means the in-use emulsion remains in the machine sump and not extracted through filter mist type units. Free of formaldehyde, DCHA, chlorine and free boric acid, this advanced formulation provides a good work place environment for machine operators in all water qualities from 0 - 700 ppm harness.

APPLICATION

SARCOOL XT-SH is suitable for use with modern high pressure coolant systems and has outstanding tramp oil rejection properties and is particularly suited to the machining of aluminium as well as sensitive aerospace aluminium alloys, steels and titanium. This clean running product provides excellent multi metal performance across a wide variation of machining operations making it an ideal choice as a single use product solution.

BENEFITS

- Soft – hard water tolerant
- Chlorine, formaldehyde free.
- Superior corrosion protection
- Long sump life
- Non staining of sensitive non ferrous metals
- Multi-metal compatible
- Low foaming
- Excellent surface finish

PERFORMANCE PROFILE

Recommended Metalworking Concentrations

Light Duty	5.0% – 6.0%
Medium Duty	7.0% – 8.0%
Heavt Duty	8.0% – 10.0%
Design Concentration Range	3.0% – 10.0%

TYPICAL PROPERTIES

Appearance (Concentrate)	Amber liquid
Appearance (Emulsion)	Semi translucent
pH (4% emulsion)	9.2 – 9.4
IP 287 Breakpoint	2.0%
Mineral Oil Content	High
Refractometer Conversion Factor	1.4
Make Up Water Hardness	0 – 700 ppm

FLUID MAINTENANCE

To check and maintain fluid concentration a refractometer is recommended, the resulting reading multiplied by the refractometer conversion factor will give the actual concentration strength. Maintaining a consistent concentration is paramount to prolonging the

fluid sump life. To promote long service life, it is strongly advised that coolant systems are thoroughly sterilised with a System Cleaner prior to coolant changes (see Sarsol System Cleaner Technical Data Sheet for further information and guidelines).

Further tests for bacteria, fungus, pH and tramp oil contamination are available through our Cooltrak Fluid Management Service. This service offers guidance and assistance for users to comply with current HSE legislative requirements. Please contact us for further details.

HEALTH & SAFETY, STORAGE AND DISPOSAAL

Please refer to the Safety Data Sheet, freely available, for product handling and disposal advice. Please note that the SDS includes handling, storage, health and disposal information which should be passed on to anyone else who comes in contact with our product. Additional advice can also be obtained from your local representative.

NOTE: Read and understand all precautions on container labels before using this product.