SARCOOL TEC 2355

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Product Code: IC0355

SARCOOL TEC 2355 is a revolutionary metalworking fluid designed to tackle the most challenging materials and processes. Fortified with high lubricity advanced technology, it is suitable for use on a wide array of metals including steel, stainless steel, aluminium alloys and titanium.

SARCOOL TEC 2355 has been formulated utilising an innovative, but extremely effective, combination of performance enhancing additives to meet the requirements associated with high speed turning, milling and grinding. Due to its outstanding sump life, SARCOOL TEC 2355 is the perfect choice for machine shops attempting to find a single product to meet the challenges associated with high performance precision engineering in medium to hard water conditions.

APPLICATION

Applications — band sawing, belt grinding, Blanchard grinding, corrosion inhibition, cylindrical form grinding, double disc grinding, drilling, high-pressure, high- volume, in-feed centerless grinding, internal grinding, plain grinding, reaming, roll threading, surface grinding, surface milling, tapping, thread forming, through-feed centerless grinding, turning

Metals — aerospace aluminium alloys, brass, bronze, cast iron, copper and ferrous metals

Industries — aerospace, compressor, energy, oil, gas, marine, machine tool manufacturers and medical

BENEFITS

- High levels of lubrication without chlorinated or sulphurised EP additives.
- Compatible with aluminium, all steels, yellow metals and cast iron.
- Extremely hard water tolerant, excellent low foam performance.
- Excellent tramp oil rejection.
- Fine soluble oil emulsion reduces carry- off for low total operating cost.
- Exceptional washing action reducing deposits and promoting a clean machine environment.
- Fast wetting to get the fluid to the point of cut and fully coat the work piece and chips for superior corrosion prevention.
- Easily recycled or disposed of without special handling or equipment Contains no DEA, chlorine, sulphur, nitrites, formaldehyde releasers, or phenolic compounds.
- Free of chlorinated EP additives, DEA, DCHA, formaldehyde releasers, nitrites, sulphurised EP additives.

PERFORMANCE PROFILE

Recommended Metalworking Concentrations

Grinding	3.0% – 5.0%
Light – Moderate Duty	5.0% – 7.0%
Heavy Duty	8.0% – 10.0%
Design Concentration Range	3.0% – 10.0%

TYPICAL PROPERTIES

Appearance (Concentrate)	Amber liquid
Appearance (Emulsion)	Semi translucent
pH (5% emulsion)	8.8 – 9.1
IP 287 Breakpoint	2.0%
Mineral Oil Content	Medium

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Registered in England: 05866783 VAT Registration No: 889171963

Refractometer Conversion Factor	1.6
Make Up Water Hardness	220 – 450 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.