

INNOVATIVE STRAIGHT OIL TECHNOLOGY



PREMIUM SERIES: GRINDING OIL

XTREME GRIND TS

High Purity Grinding Oil

XTREME GRIND TS is a high-purity, ultra low viscosity grinding fluid designed primarily for carbide, high speed steel, tool steel, and PCD applications. XTREME GRIND TS keeps grinding wheels clean and effective, and can extend durations between dressing cycles.

XTREME GRIND TS meets the physical and chemical specifications for one-micron filtration systems and is ideally suited for a wide variety of grinding applications where low viscosity and ultra fine filtration is required.

XTREME GRIND TS does not contain additives such as fat, sulfur, chlorine, or phosphorous, as these can interfere with filtration and wheel dressing. When properly filtered, XTREME GRIND TS will remain effective for several years.

Performance Benefits

- Good wetting and low viscosity for keeping the grinding zone clean of debris
- Excellent transfer of fines and swarf, improving filtration efficiency
- Maintains ideal grinding properties in chilled and non-chilled systems
- Made from exceptionally clean Gas-to-Liquid (GTL) oils derived from natural gas
- Provides superior oxidative and breakdown resistance
- Odorless and low misting
- Non-staining to all common machine tool, tooling, and work piece materials
- Will not affect common machine tool seals, gaskets, o-rings, wires, or cables

Approvals

- Approved for use in Transor One Micron Filtration (OMF) Systems

Operations

XTREME GRIND TS is intended for use in precision grinders, such as those from Walter, Vollmer, Rollomatic, and ANCA, and will function in all low micron filtration systems including Transor, Ebbco and VOMAT. Designed for carbide, diamond, ceramic and high-speed steels, but can be used on most metals.

Please contact your local QualiChem Distributor or QualiChem Sales Engineer to discuss specific application conditions and performance criteria.

Fluid Handling & Maintenance

XTREME GRIND TS is to be used neat, as supplied. Do not dilute with water. Consult with QualiChem before diluting this product with other oils or solvents.

Avoid contamination from mineral seal oil containing lubricants or additives.

TYPICAL CHARACTERISTICS

BASE TECHNOLOGY	Gas-to-Liquid (GTL)
VISCOSITY, cSt @ 40 °C	3.1-3.4
VISCOSITY, cSt @ 20 °C	5.2-5.5
FLASH POINT	143 °C 290 °F
APPEARANCE	Clear, colorless
COPPER CORROSION (ASTM D130)	1a
MATERIAL COMPATIBILITY	Multi-metal

XTREME GRIND TS does not contain mineral oil, animal fats or derivatives, heavy metals, halogens, chlorinated or sulfurized EP additives, zinc, calcium, DCHA, SVHCs, boron, nitrites, DEA, phenols, silicon, formaldehyde, isothiazoline, triazine, PCBs, dioxin, phthalates, or PIP (3:1).

XTREME GRIND TS is available in pails, drums, totes, and bulk.

Refer to the Safety Data Sheet (SDS) for additional physical and chemical properties, associated hazards (if applicable), and procedures for safe handling and proper storage.

All information contained herein is believed to be correct. No warranty expressed or implied is given concerning the properties of the product or its suitability for any given application. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Product specifications may change without notice.

QUALICHEM
Metalworking Fluids

+1 540 375 6700 | qualichem.com

ISO 9001:2015