



SYNTHETIC GUNDRILL

DESCRIPTION

Synthetic Gundrill is a high-performance, mineral oil free, oil rejecting synthetic metal working coolant. It is designed for difficult machining applications on ferrous alloys, nickel alloys and titanium, especially where the use of extreme pressure additives such as chlorine and Sulphur, are undesirable. In machining operations such as broaching, gear cutting and drilling it can successfully replace EP neat cutting oils and soluble oils.

It is for use in soft water as well as hard waters, and exhibits low foam and excellent stability under a wide range of conditions, so is ideal for modern high speed and feed machining operations.

APPLICATIONS

Synthetic Gundrill is designed for use in most metal working applications including grinding and honing, but its performance is particularly outstanding in the more difficult operations such as broaching, gear cutting and deep hole drilling, as well as general machining applications such as, milling, drilling, turning and boring.

Synthetic Gundrill offers outstanding versatility, allowing for fluid consolidation, is extremely stable over a wide range of water conditions (0-400ppm hardness), provides excellent corrosion protection and is very clean in use. It is low foaming and ideal for high pressure, high volume coolant flow applications. It is equally suitable for use in large centralized coolant systems and for small individual coolant sumps.

BENEFITS

- * Provides outstanding machining performance and versatility on difficult materials, as an alternative to EP neat oils and soluble oils.
- * Low foaming in all water conditions, reducing maintenance costs and improving cleanliness.
- * Exhibits high stability in all water conditions and is highly resistant to microbial growth, providing extremely long fluid life, and reducing fluid and waste treatment costs.
- * Mineral oil, chlorine, phenol and nitrate free, environmentally friendly.
- * Excellent operator acceptance

TYPICAL PROPERTIES

Appearance	Clear, Blue
SPG 60/60 °F	1.07
pH @ 10% in H2O	9.4

DILUTION

Recommended dilution is 7% or higher, depending on application, to prevent any rust and extend sump life.