

AQUAGLIDE® 580

Heavy Duty Semi Synthetic Metalworking Coolant

Rev. 1/2024

Description

Aquaglide® 580 is a non-chlorinated, high oil content, semi-synthetic coolant for heavy duty operations on ferrous and non-ferrous metals. The high oil content, when combined with effective EP additives, allows for the **Aquaglide™ 580** to outperform other industry leading coolants.

Aquaglide® 580 can be used in various applications including tapping, reaming, deep-hole drilling other difficult metal removal operations. Its low foaming properties prevent pump cavitation and aid in filtration.

Aquaglide® 580 contains an exceptional biocide package that resists biological attack under severe conditions, and it provides excellent interim protection on parts and equipment.

Refractive Index		
Concentration Percent	Dilution Ratio	Refractometer Reading
4%	25:1	4
5%	20:1	5
6%	16:1	6
7%	14:1	7
8%	12:1	8
9%	11:1	9
10%	10:1	10

Application Information	
Application Type	Concentration
General Machining	5 – 7%
Heavy Duty Machining	8 - 10%
Consult with your U.S. Lubricants Specialist for application-specific recommendations	



Features/Benefits

- **Versatile**
Designed for ferrous and non-ferrous metals especially:
Aluminum Alloys
Carbon Steel
Alloy Steel
Stainless Steel
- **Excellent In-Process Rust Preventative**
- **EP and Lubricity Additives Extend Tool Life and Improve Surface Finish**
- **Long Sump Life**
Designed for extended service life when concentrations are kept >5%
- **Hard Water Stable**
- **Non-Staining to Aluminum Alloys**
- **Free of Nitrites, Borates, and Formaldehyde release agents**