

Medallion Plus[®] NS 300 Dual-Purpose Cutting Oil

PRODUCT DESCRIPTION

Medallion Plus NS 300 Cutting Oil is a dark amber, non-staining cutting oil with excellent lubricity and anti-weld capabilities. It contains an effective anti-mist additive to reduce misting of the cutting oil during high speed machining operations. The anti-weld performance is achieved through the combined action of non-staining sulfur and chlorine additives. This cutting fluid is designed for moderate to heavy duty machining operations on a wide variety of metals. The fluid viscosity of 32 cSt is light enough to provide excellent cooling at the tools and heavy enough to serve as lubricating and hydraulic fluid for machine components.

Medallion Plus NS 300 is appropriate for use in lubricating gears, bearings, and clutches in machine tool gear cases. It is ideal for applications where the lubricating oils leak into the cutting oil reservoir, degrading the cutting oil performance. It can also be used as the hydraulic fluid for systems operating at or below 900 PSI. Its non-staining nature, dual-purpose capability, and robust additive system make this fluid an ideal choice for product consolidation.

PERFORMANCE FEATURES

Medallion Plus NS 300 Cutting Oil is an outstanding choice for operations:

- Using a wide variety of metals including brass, aluminum, and both carbon and alloy steel.
- Where commingling of lubricating and cutting oils occur.
- In which benefits are derived from minimizing the number of lubes and fluids used.
- Using moderate speeds and feed rates to machine stainless steel.

TYPICAL ANALYSIS

Property	ASTM Method	Results
Viscosity @ 40 °C, cSt	D445	32.0
Color	Visual	Dark Amber
Flash Point °F	D93	400F
Total Sulfur	D129	1.5%
Active Sulfur	D1662	Nil
Chlorine	D4327	2.2%
Lubricity Fat	IR Spectro.	13.6%

HEALTH & SAFETY

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your Customer Service Center. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment. Due to continual product research and development, the information contained herein is subject to change without notification.

