

Orion 7126

Heavy-Duty Synthetic Machining Fluid

Description

Orion 7126 is a moderate pH fluid developed for the machining of low and high alloy steels, aluminum alloys, Inconel, hastelloy, and titanium. The unique proprietary lubricants in **Orion 7126** were designed for high speeds and feed rates and provides extremely high lubricity in a variety of aluminum machining operations. This oil-rejecting fluid outperforms conventional coolants in difficult operations such as tapping and gun drilling. **Orion 7126** provides excellent bimetallic corrosion protection to keep parts and machine tools free from in-process rust. In hard or soft water, **Orion 7126** forms a stable solution that will not foam. **Orion 7126** is a clean fluid that runs with trouble-free dependability.

Performance Benefits

- Increased lubrication verses heavy duty chlorinated soluble oils and other synthetic fluids
- Rejects tramp oils for easy skimming
- Biostable formula extends fluid life
- Low foaming in all water conditions
- Excellent lubrication allowing for difficult machining operations
- Excellent corrosion protection protects parts, machines and tools
- Settles chips quickly for a clean work environment

Recommended Applications & Dilutions

Recommended for machining and grinding ferrous and non-ferrous metals. Consult with your account representative for questions regarding compatibility

Grinding 6% to 8%
Machining 6% to 12%

Characteristics

Properties	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Clear liquid
Appearance of Dilution	-	Visual	Clear liquid
pH of 5% dilution	-	-	9.3 to 9.5
Density @ 15°C	lbs/gal	-	8.6
Chlorine	-	-	No
Nitrites	-	-	No
Phenols	-	-	No

Additional Information
Concentration Control

Refractive Index Multiplier: 1.7

Refractometer Reading	% Concentration
3	5.1
4	6.8
5	8.5
6	10.2

