

VANGUARD 3005

HEAVY-DUTY SEMI-SYNTHETIC METALWORKING FLUID

Description

Vanguard 3005 is a heavy duty, state-of-the-art semi-synthetic metalworking fluid for all ferrous and non-ferrous metals; including cast iron, stainless steel, strategic alloys, and aluminum.

The high solids content and extreme pressure additives of Vanguard 3005, provide best in class machining performance regardless of the severity of the operation.

Vanguard 3005 will effectively provide the lubrication of a Soluble Oil and the cooling ability of a Synthetic, giving a “one-coolant-fits-all” application to many shops.

Vanguard 3005 is hard water tolerable and virtually non-foaming in high pressure machining.

Vanguard 3005 also contains a non-sulfonate emulsifier, which reduces the possibility of bacterial growth from sulfate reducing bacteria, eliminating that “Monday Morning Rotten Egg” problem faced by so many other fluids.

Features & Benefits

- Extended tool life with increased production rates
- Significant sump life increases
- Non-foaming chemistry
- Best in class resistance to bacteria growth
- Exceptional tramp oil rejection
- Tri-phase corrosion inhibitor
- Non-irritating to worker's skin

Health & Safety

See the most recent MSDS which is available directly from Precision Fluids, your local salesman, or authorized distributor. Precision Fluids uses only raw materials not listed as carcinogenic by IRAC.

Physical Data

Appearance:	Clear Blue
Diluted Appearance:	Translucent
Blue Solubility:	Water
Odor:	Mild Industrial
Specific Gravity:	1.01
Concentrate pH:	9.8
pH, 5% dilution:	9.5

Application and Usage

Precision Fluids recommends using our Super Green cleaner before adding Vanguard 3005 to a machine.

The recommended concentration for Vanguard 3005 is 6-8% for optimum results. However, best results for any operation can only be determined through testing.

Maintaining the coolant at its optimum concentration is achieved through daily refractive index checking.

No special precautions are necessary with respect to seals or valves.

Refractive Index Monitoring

(1.67X multiplier)

Percent	Ratio	Refractometer Reading
5	19 to 1	3
10	9 to 1	6
15	5 to 1	9
20	4 to 1	12

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