

NPF-HP 3316

CHLORINE FREE METALWORKING FLUID FOR HIGH PRESSURE MACHINES

Description

NPF-HP 3316 is a neo-synthetic metalworking fluid designed for high pressure coolant applications. The product is found in systems with pistons and positive displacement pumps that increase coolant pressure up to 2000 psi.

NPF-HP 3316 is a chlorine free product that was designed for aerospace, medical, nuclear, and all other industries that are sensitive to chlorine stress cracking.

The product provides “soluble-oil” performance with sump stability that approaches that of a synthetic product. The product is non-irritating to workers’ skin and will not cause dermatitis issues.

NPF-HP 3316 provides excellent rust protection due to a proprietary manufactured tri-phase corrosion inhibitor package.

Features & Benefits

- Chlorine free chemistry
- Designed for high pressure machines
- Low foam chemistry
- Significant increases in tool life
- Best in class resistance to bacteria growth
- Exceptional tramp oil rejection
- Non-irritating to operators’ 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:	Translucent Blue
Diluted Appearance:	Milky Light Blue
Solubility	Water
Odor:	Mild Industrial
Specific Gravity:	0.97
Concentrate pH:	9.3
pH, 5 % dilution:	9.0
Freeze/Thaw Cycles:	Passed 3x

Application & Usage

Precision Fluids recommends using our Super Green cleaner before adding NPF-HP 3316 to a machine.

The recommended concentration for NPF-HP 3316 is 10% for optimum results. However, 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 (1.2x multiplier)

Percent	Ratio	Refractometer Reading
5	19 to 1	4.2
10	9 to 1	8.3
15	6 to 1	12.5
20	4 to 1	16.7

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