

NPF 3315

CHLORINE FREE NEO-SYNTHETIC METALWORKING FLUID

Description

NPF 3315 is a multi-purpose neo-synthetic fluid used to machine all alloys. The product is approved for MIL STD 2041-D naval nuclear work. Additionally, NPF is found in a number of machine shops manufacturing products for the aerospace and medical industries.

This engineered formula is free of sulfur and chlorine and thus suitable for machining aluminum and other alloys sensitive to these elements.

Efficient lubricity and cooling are achieved through the incorporation of highly refined mineral oils and polymeric wetting agents.

NPF 3315 provides extended sump life in systems due to its proprietary tri-phase corrosion inhibitor package and its biostatic nature.

Features & Benefits

- MIL STD 2041-D approved
- Best in class resistance to bacteria growth
- Significant sump life increases
- Exceptional tramp oil rejection
- Compatible with all yellow and white metals
- Outstanding surface finish

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:	9.4
Freeze/Thaw Cycle:	Passed 3x

Application & Usage

Precision Fluid recommends using our Super Green cleaner before adding NPF 3315 to a machine.

The recommended concentration for NPF 3315 is 10% 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

(2.5X multiplier)

Percent	Ratio	Refractometer Reading
5	19 to 1	2.0
10	9 to 1	4.0
15	6 to 1	6.0
20	4 to 1	8.0

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