

## **HONING OIL NI 3545**

### **INDUSTRIAL HONING OIL FOR NUCLEAR APPLICATIONS**

#### Description

Honing Oil NI 3545 is a paraffinic based, non-chlorinated, non-sulfurized honing oil that is MIL-STD 2041-D compliant. Due to its “clean” additive package, the product is an excellent choice for honing products for the nuclear, aerospace, and medical industries.

The product achieves its EP properties through a synergistic mix of polymeric esters and other engineered polar compounds. Honing Oil NI 3545 effectively works in operations involving a wide range of alloys including: steel, stainless steel, titanium, strategic alloys (ex. Inconel, Waspaloy, Stellite), and non-ferrous metals.

Honing Oil NI 3545 has inherent oxidation stability and low foam characteristics allowing it to maintain a stable fluid viscosity eliminating concerns of filter blinding.

#### Features & Benefits

- Sulfur free
- Chlorine free
- Excellent corrosion protection
- Low foaming
- Low misting
- Odor free
- Easily recycled
- Will not blind filters

#### 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 Amber
Odor:	Mild Industrial
Viscosity @ 100°F:	10 – 15 cSt
Viscosity @ 212°F:	2.5 – 7.0 cSt
Specific Gravity:	.86 g/mL
Flash Point:	347 °F
Pour Point:	-17 °F
% Sulfur:	0
% Chlorine:	0

#### Application & Usage

Precision Fluids recommends using Honing Oil NI 3545 for industrial operations requiring sulfur-free and chlorine-free chemistries.

Best practices include draining current honing oil and flushing with line wash oil. The remaining oil should then be removed with an industrial sump vacuum to allow for best results.

Honing Oil NI 3545 is compatible with most honing oils for those instances where proper removal of competitive honing oil cannot be accomplished. Good practice calls for mixing small amounts of Honing Oil NI 3545 with the honing oil in the sump it will be replacing to assure no reactions occur that would form precipitates.

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

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