

LABORATORY ANALYSIS



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Department **MAQUINADO 2**
Equipment No. **1002.7 (X0086)**
System **Machining Fluid**
Oil Type **ENGINEERED LUBRICANTS ENCOOL SS-7271EP-ASM (25 GAL)**

DIAGNOSIS

Drain off 5 gallons from the reservoir. The partial drain will remove some of the water hardness. Inspect DI/RO Water system is operating properly. Top off reservoir. Add ENGINEERED LUBRICANTS ENCOOL SS-7271EP-ASM concentrate until reaching a dilution of 15:1. The desired refractometer reading for this reservoir is 3.57. (not applicable) Hardness reading is high and action needs to be taken to reduce mg/l CaCO3 level. The condition of the machining fluid is suitable for service.

SAMPLE INFORMATION

Lab Number	New	2305-01009	---	---
Date of Sample	(Typical)	19 May 2023	---	---
Oil Added		UNK	---	---
Last Drain Date		--	---	---
Last Filter Service		--	---	---
Sample Point		---	---	---
Sample Status		SEVERE	---	---

RATIO PER REFRACTOMETER

Refract. Reading		3.4	---	---
Refract. Model		DIGITAL	---	---
Refract. Ratio	oil:water	15:1	---	---

PH (ASTM E-70)

pH	Scale 0-14	9.2	---	---
Ratio Rec'd	oil:water	AS REC'D	---	---

HARDNESS (MG/L CaCO3)

Hardness (CaCO3)	mg/L	384.4	---	---
Grains		22.6	---	---

BACTERIA COUNT (CLASS RANGE 0 TO 6)

Bacteria Class	Scale 0-6	0	---	---
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FUNGUS COUNT (CLASS RANGES: YEAST 0 TO 4/MOLD 0 TO 3)

Yeast Class	Scale 0-4	0	---	---
Mold Class	Scale 0-3	0	---	---

TRAMP OIL, CUFF & SEDIMENT

% Sediment	%	TRACE	---	---
% Tramp Oil	%	1.0	---	---
% Cuff	%	2.0	---	---

Customer Id: ENC0005J03
Sample No.: EN23051009
Lab Number: 23051009
Test Package: TEST



To manage this report scan the QR code

To discuss the diagnosis or test data:

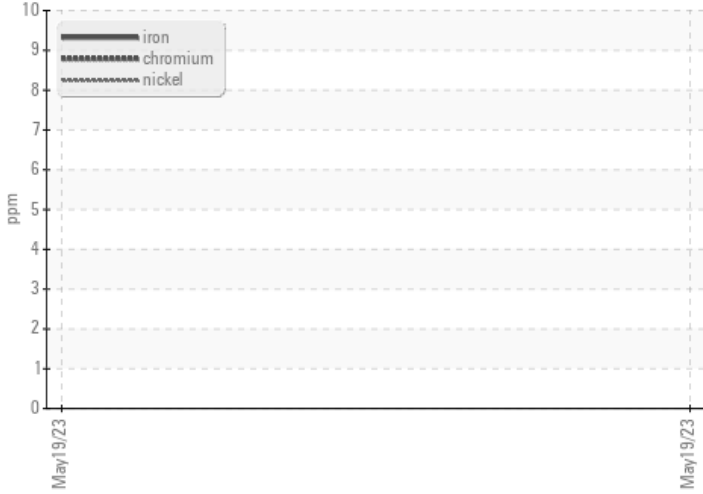
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To change component or sample information:

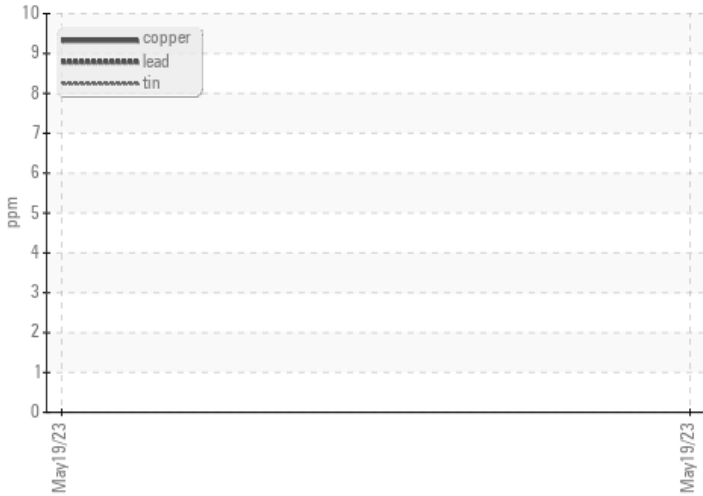
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FUEL REPORT

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

