

LABORATORY ANALYSIS



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Department **LATHE**
Equipment No. **Captain (X0003)**
System **Machining Fluid**
Oil Type **ENGINEERED LUBRICANTS ENCOOL SS-7478EP-AS (37 GAL)**

DIAGNOSIS

Add make up dilution of 50:1 ENGINEERED LUBRICANTS ENCOOL SS-7478EP-AS lean dilution until reaching recommended dilution of 15:1. The desired refractometer reading for this reservoir is 3.59. {not applicable} There is no indication of any contamination in the machining fluid. Ratio is too strong.

SAMPLE INFORMATION

Lab Number	New	2307-00274	2305-00441	2303-00077
Date of Sample	(Typical)	07 Jul 2023	08 May 2023	06 Mar 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		SEVERE	ABNORMAL	SEVERE

RATIO PER REFRACTOMETER

Refract. Reading		8.7	3.9	3.6
Refract. Model		DIGITAL	DIGITAL	DIGITAL
Refract. Ratio	oil:water	5:1	14:1	15:1

PH (ASTM E-70)

pH	Scale 0-14	9.0	9.0	8.3
Ratio Rec'd	oil:water	AS REC'D	AS REC'D	AS REC'D

BACTERIA COUNT (CLASS RANGE 0 TO 6)

Bacteria Class	Scale 0-6	2	3	4
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FUNGUS COUNT (CLASS RANGES: YEAST 0 TO 4/MOLD 0 TO 3)

Yeast Class	Scale 0-4	1	1	3
Mold Class	Scale 0-3	0	0	0

Customer Id: ENC0303701
Sample No.: EN23070274
Lab Number: 23070274
Test Package: TEST



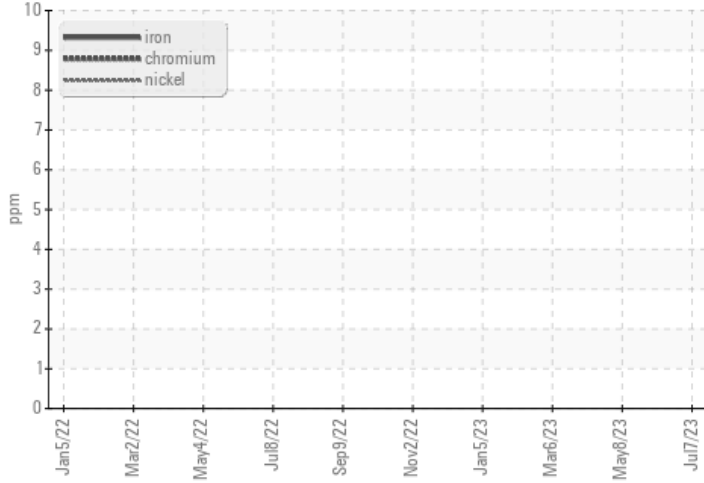
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To discuss the diagnosis or test data:
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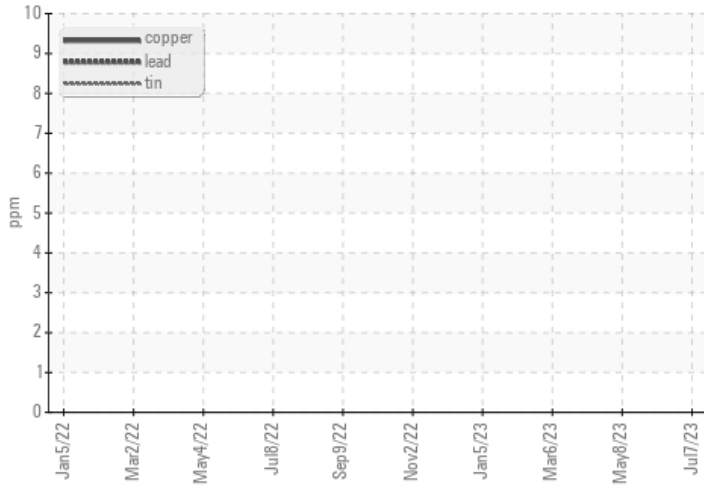
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FUEL REPORT

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

