

LABORATORY ANALYSIS



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Department **CNC**
Equipment No. **O-03 VMC Okuma (X0014)**
System **Machining Fluid**
Oil Type **ENGINEERED LUBRICANTS ENCOOL SS-7478EP-AS (85 GAL)**

DIAGNOSIS

Add ENGINEERED LUBRICANTS ENCOOL SS-7478EP-AS concentrate until reaching a dilution of 15:1. The desired refractometer reading for this reservoir is 3.6.{not applicable} There is no indication of any contamination in the machining fluid. Ratio is slightly lean. Maintaining the desired ratio is the top priority for optimum coolant performance and longevity.

SAMPLE INFORMATION

Lab Number	New	2309-00133	2307-00271	2305-00437
Date of Sample	(Typical)	05 Sep 2023	07 Jul 2023	08 May 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		ABNORMAL	NORMAL	SEVERE

RATIO PER REFRACTOMETER

Refract. Reading		2.6	3.1	2.2
Refract. Model		DIGITAL	DIGITAL	DIGITAL
Refract. Ratio	oil:water	▲ 21:1	■ 18:1	● 25:1

PH (ASTM E-70)

pH	Scale 0-14	■ 9.1	■ 9.1	■ 9.1
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	■ 0	■ 0	■ 1
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FUNGUS COUNT (CLASS RANGES: YEAST 0 TO 4/MOLD 0 TO 3)

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

Customer Id: ENC0303701
Sample No.: EN23090133
Lab Number: 23090133
Test Package: TEST



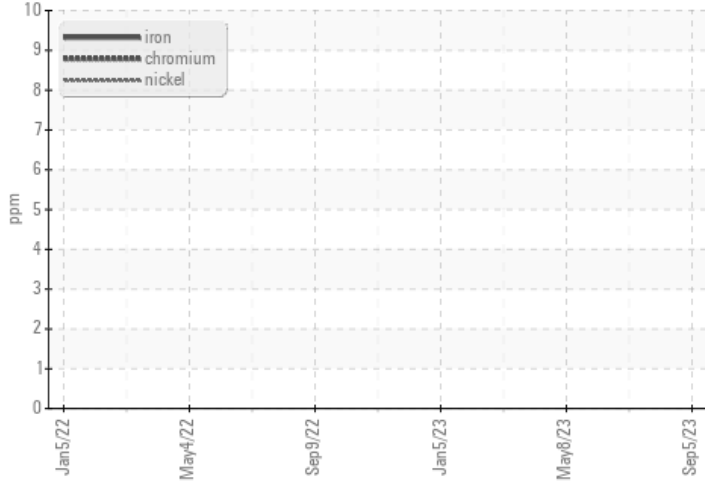
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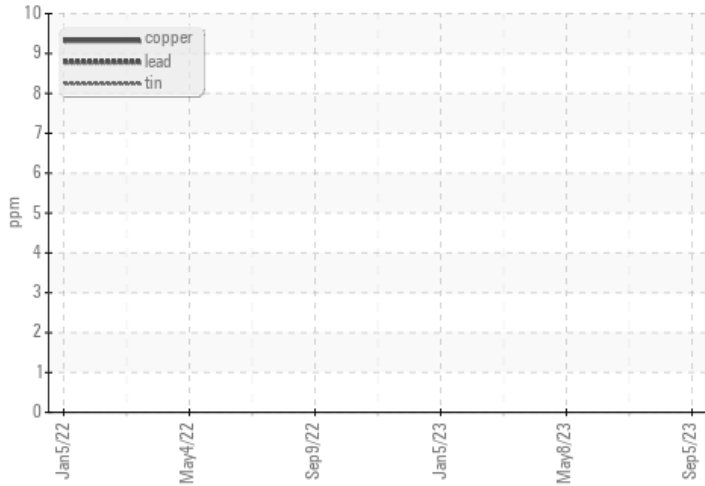
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FUEL REPORT

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

