

LABORATORY ANALYSIS



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Department **CNC**
Equipment No. **O-02 VMC Okuma (X0023)**
System **Machining Fluid**
Oil Type **ENGINEERED LUBRICANTS ENCOOL SS-7478EP-AS (80 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 3.59. Resubmit sample for testing. Inspect the reservoir for settled chips/fines, tramp oils, physical growth and remove them before there is an accumulation. Add a "severe" dose of BioTech 084, 8.8 ounces to the tank side reservoir in an area of high agitation. Follow up three days later with a "maintenance" dose, 2.1 ounces, to stabilize the microbial additive package. Circulate the coolant daily for proper aeration.(not applicable) Small amount of yeast present. Ratio is too lean. Maintaining the desired ratio is the top priority for optimum coolant performance and longevity.

SAMPLE INFORMATION

Lab Number	New	2307-00268	2305-00434	2303-00070
Date of Sample	(Typical)	07 Jul 2023	08 May 2023	06 Mar 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		69.6	67.6	65.6
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		SEVERE	NORMAL	SEVERE

RATIO PER REFRACTOMETER

Refract. Reading		2.1	3.9	2.3
Refract. Model		DIGITAL	DIGITAL	DIGITAL
Refract. Ratio	oil:water	26:1	14:1	24:1

PH (ASTM E-70)

pH	Scale 0-14	9.1	9.1	9.0
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	1	0	0
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FUNGUS COUNT (CLASS RANGES: YEAST 0 TO 4/MOLD 0 TO 3)

Yeast Class	Scale 0-4	2	0	2
Mold Class	Scale 0-3	0	0	0

Customer Id: ENC0303701
Sample No.: EN23070268
Lab Number: 23070268
Test Package: TEST



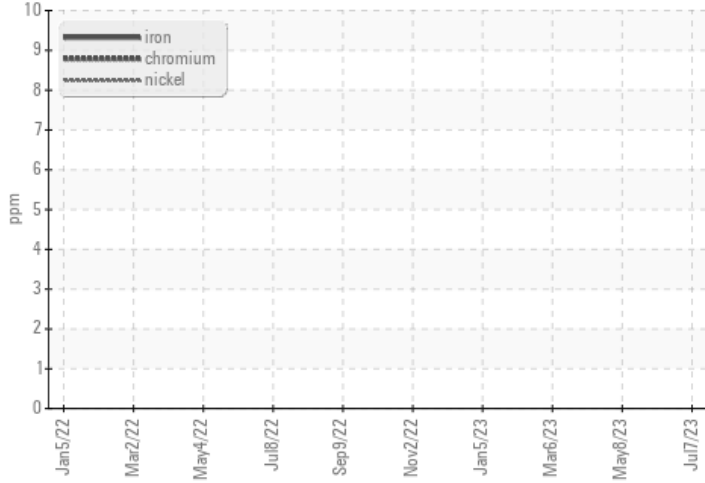
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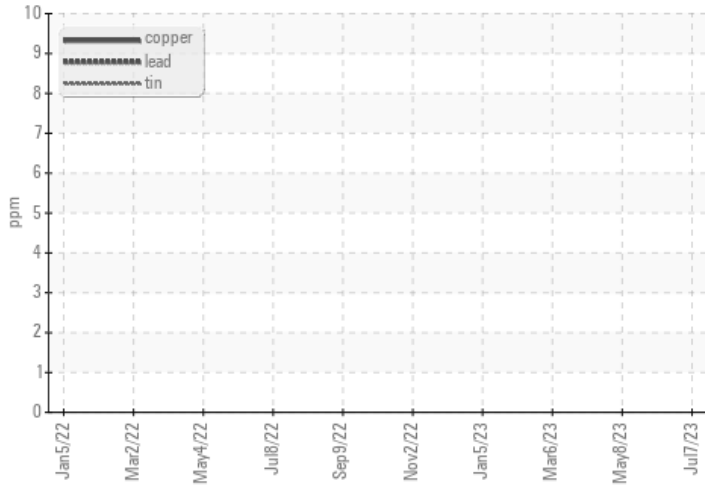
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FUEL REPORT

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

