

LABORATORY ANALYSIS



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315 COOL SPRINGS ROAD
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Department **CNC**
Equipment No. **D-01 VMC Doosan (X0027)**
System **Machining Fluid**
Oil Type **ENGINEERED LUBRICANTS ENCOOL SS-7478EP-AS (110 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	2307-00263	2305-00429	2303-00065
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	SEVERE	SEVERE

RATIO PER REFRACTOMETER

Refract. Reading		17.7	9.0	15.1
Refract. Model		DIGITAL	DIGITAL	DIGITAL
Refract. Ratio	oil:water	2.5:1	5:1	3:1

PH (ASTM E-70)

pH	Scale 0-14	9.2	9.4	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	0
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FUNGUS COUNT (CLASS RANGES: YEAST 0 TO 4/MOLD 0 TO 3)

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

Customer Id: ENC0303701
Sample No.: EN23070263
Lab Number: 23070263
Test Package: TEST



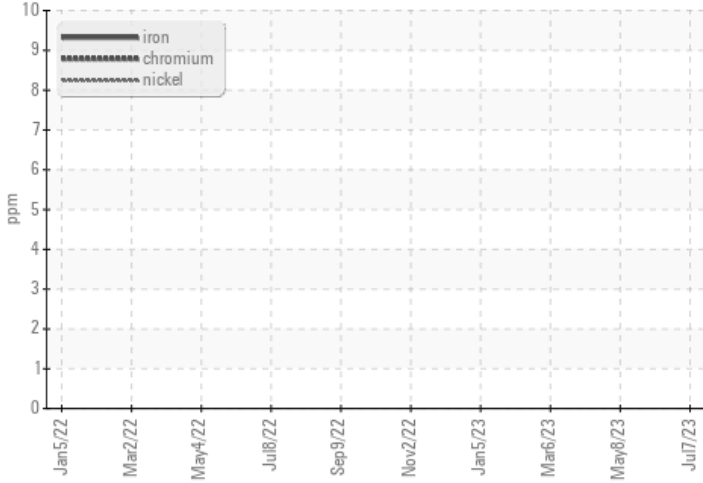
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To discuss the diagnosis or test data:
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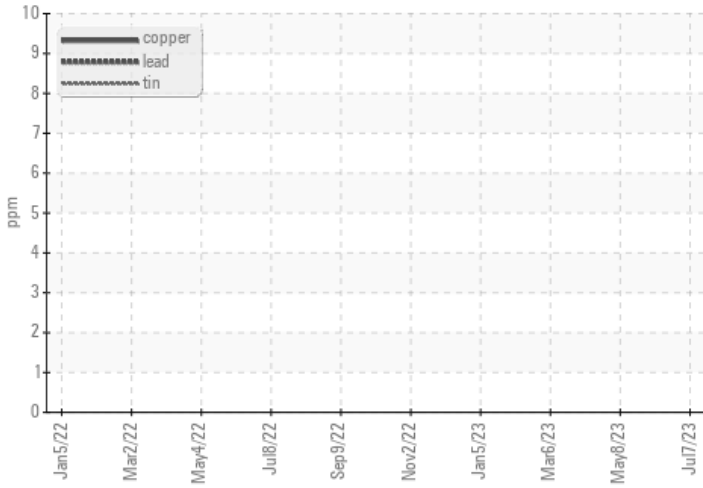
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FUEL REPORT

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

