LABORATORY ANALYSIS

ENGINEERED LUBRICANTS
11525 Rock Island Court, St. Louis, MO 63043
Tel: 1-800-876-0008 info@englube.com

Department **CNC**

Equipment No. **F-03 VMC Fadal (X0008)**

System **Machining Fluid**

Oil Type **ENGINEERED LUBRICANTS ENCOOL SS-7478EP-AS (150 GAL)**

PLANET TOOL & ENGINEERING
315 COOL SPRINGS ROAD
O`FALLON, MO
US 63366
Contact: Dave Diedrich
ddiedrich@planet-tool.com
T: (636)379-9800
F:

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	**2307-00264**	2305-00430	2303-00066
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**	67.7	65.6
Last Filter Service			**--**	--	--
Sample Point			**---**	---	---
Sample Status			**SEVERE**	ABNORMAL	ABNORMAL

RATIO PER REFRACTOMETER

Refract. Reading			**8.9**	7.2	6.6
Refract. Model			**DIGITAL**	DIGITAL	DIGITAL
Refract. Ratio	oil:water		**5:1**	7:1	8:1

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		**0**	0	0

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.: EN23070264
Lab Number: 23070264
Test Package: TEST

To manage this report scan the QR code

To discuss the diagnosis or test data:
Brad Fritz +1 (314)872-9540
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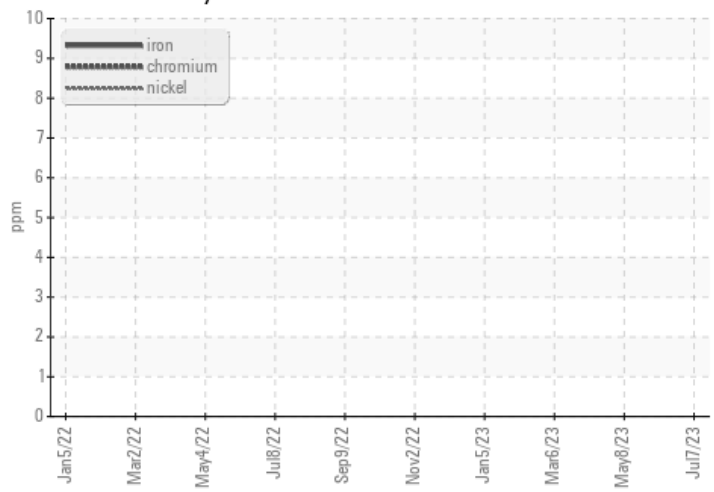
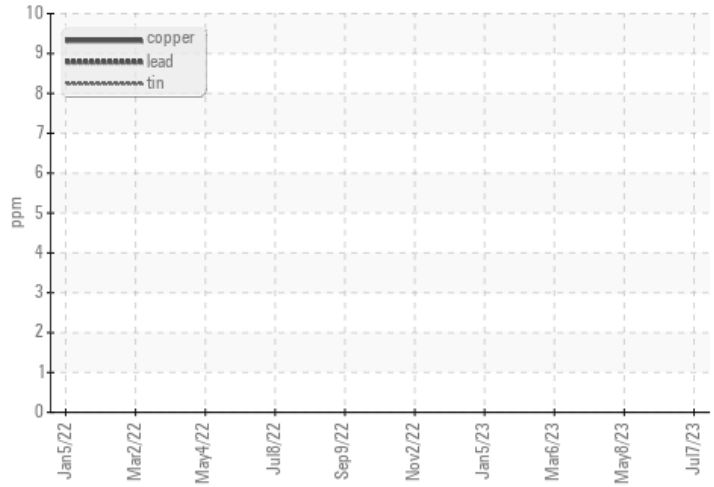
FUEL REPORT

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C