LABORATORY ANALYSIS

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

Department **GRINDING ROOM**

Equipment No. **OGM Okamoto (X0008)**

System **Machining Fluid**

Oil Type **ENGINEERED LUBRICANTS ENCOOL SOL-305MGLL (30 GAL)**

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

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, 3.3 ounces to the tank side reservoir in an area of high agitation. Follow up three days later with a “maintenance” dose, 0.8 ounces, to stabilize the microbial additive package. Circulate the coolant daily for proper aeration.{not applicable} Excessively high mold counts. The condition of the machining fluid is suitable for service.

SAMPLE INFORMATION

Lab Number		New	**2307-00257**	2305-00423	2303-00059
Date of Sample		(Typical)	**07 Jul 2023**	08 May 2023	06 Mar 2023
Oil Added			**UNK**	UNK	UNK
Last Drain Date			**--**	--	--
Months on Sample			**69.8**	67.8	65.8
Last Filter Service			**--**	--	--
Sample Point			**---**	---	---
Sample Status			**SEVERE**	ABNORMAL	SEVERE

RATIO PER REFRACTOMETER

Refract. Reading			**6.0**	5.8	6.8
Refract. Model			**DIGITAL**	DIGITAL	DIGITAL
Refract. Ratio	oil:water		**4:1**	4:1	3.5:1

PH (ASTM E-70)

pH	Scale 0-14		**8.9**	8.9	8.9
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**	1	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		**3**	2	3

Customer Id: ENC0303701
Sample No.: EN23070257
Lab Number: 23070257
Test Package: TEST

To manage this report scan the QR code

To discuss the diagnosis or test data:
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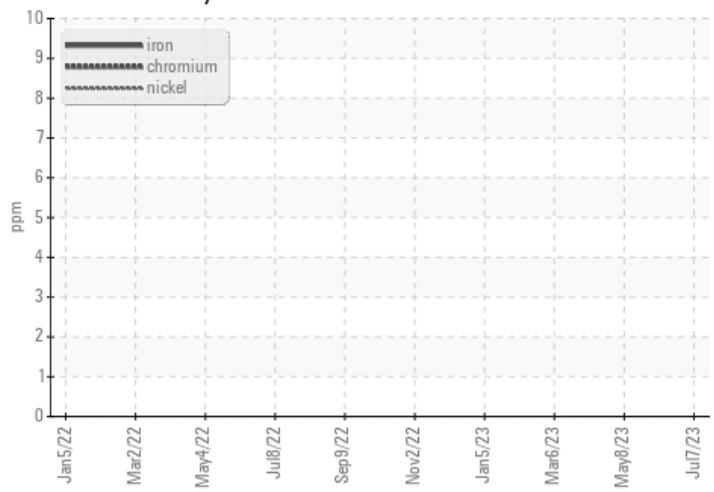
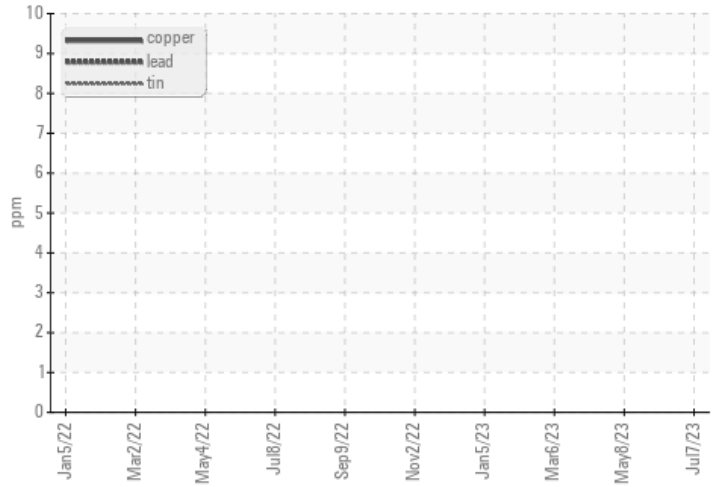
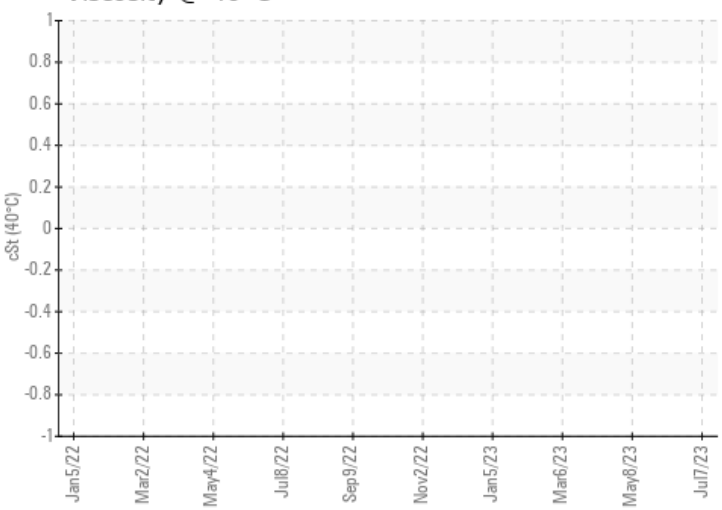
FUEL REPORT

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C