

LABORATORY ANALYSIS



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

PLANET TOOL & ENGINEERING
315 COOL SPRINGS ROAD
O'FALLON, MO
US 63366
Contact: Dave Diedrich
ddiedrich@planet-tool.com
T: (636)379-9800
F:

Department **LATHE**
Equipment No. **DL-01 Doosan (X0006)**
System **Machining Fluid**
Oil Type **ENGINEERED LUBRICANTS ENCOOL SS-7478EP-AS (58 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. 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, 6.4 ounces to the tank side reservoir in an area of high agitation. Follow up three days later with a "maintenance" dose, 1.5 ounces, to stabilize the microbial additive package. Circulate the coolant daily for proper aeration.(not applicable) Excessively high mold counts. Ratio is slightly lean. Maintaining the desired ratio is the top priority for optimum coolant performance and longevity.

SAMPLE INFORMATION

Lab Number	New	2307-00276	2305-00443	2303-00079
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	ABNORMAL	ABNORMAL

RATIO PER REFRACTOMETER

Refract. Reading		2.6	6.2	5.1
Refract. Model		DIGITAL	DIGITAL	DIGITAL
Refract. Ratio	oil:water	▲ 21:1	▲ 8:1	▲ 10:1

PH (ASTM E-70)

pH	Scale 0-14	■ 9.2	■ 9.2	■ 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	■ 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	● 3	▲ 2	■ 0

Customer Id: ENC0303701
Sample No.: EN23070276
Lab Number: 23070276
Test Package: TEST



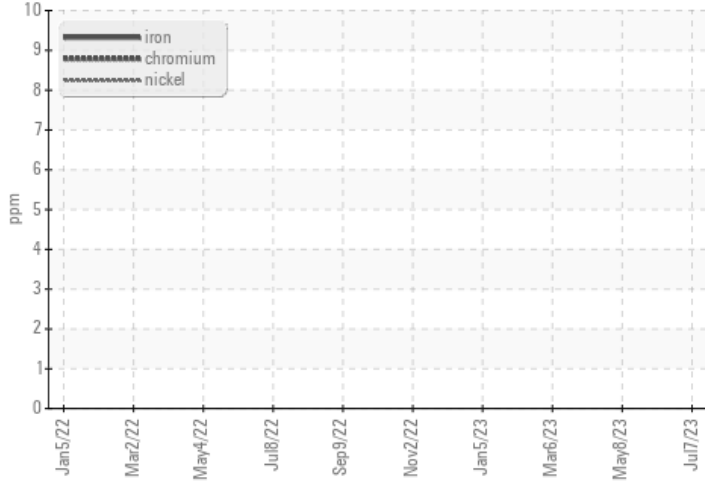
To manage this report scan the QR code

To discuss the diagnosis or test data:
Brad Fritz +1 (314)872-9540
bfritz@englube.com

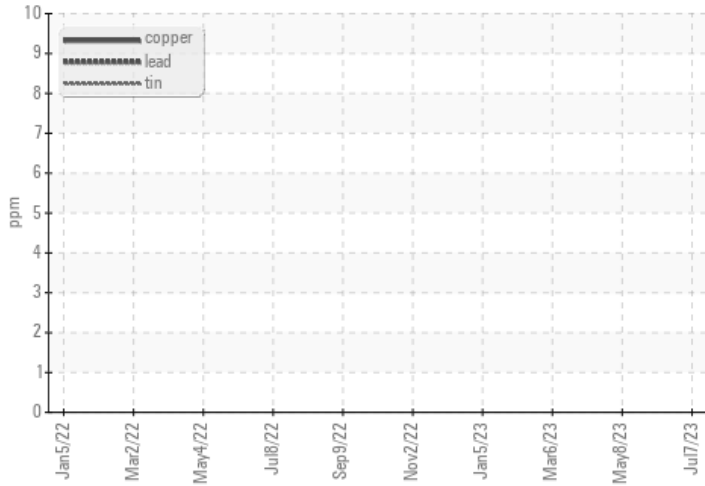
To change component or sample information:
Tracy Weaks +1 (314)872-9540
tweaks@englube.com

FUEL REPORT

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

