



[[ASTRO WELDING]] LIEBHERR LTM1070-4.2 085768 - Coolant

Sample No: LH0291507

Oil Type: {unknown}



Sample Information

Sample Number	LH0291507	---	---	---
Sample Date	11 Jun 2024	---	---	---
Machine Hours	4082	---	---	---
Sample Status	SEVERE	---	---	---

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES
 4800 CHESTNUT AVENUE
 NEWPORT NEWS, VA
 US 23607
 Contact: AUGAY ALUZYR
 AUGAY.ALUZYR@LIEBHERR.COM
 T: (757)933-2015
 F:



Coolant Condition

Boron	ppm	0	---	---	---
Phosphorus	ppm	5	---	---	---
Sodium	ppm	4518	---	---	---
Potassium	ppm	428	---	---	---
Silicon	ppm	66	---	---	---
pH	Scale 0-14	6.20	---	---	---
Reserve Alkalinity	Scale 0-20	---	---	---	---
Molybdenum	ppm	0	---	---	---
Nitrites	ppm	864	---	---	---
Percentage Glycol	%	51.2	---	---	---
Freezing Point	°C	-38	---	---	---

Diagnosis

We recommend drain system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer`s specifications. The lead level is severe. There is no indication of any contamination in the coolant. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.



Contamination

Magnesium	ppm	15	---	---	---
Calcium	ppm	32	---	---	---
Coolant Appearance		normal	---	---	---
Coolant Color		Pink	---	---	---



Corrosion

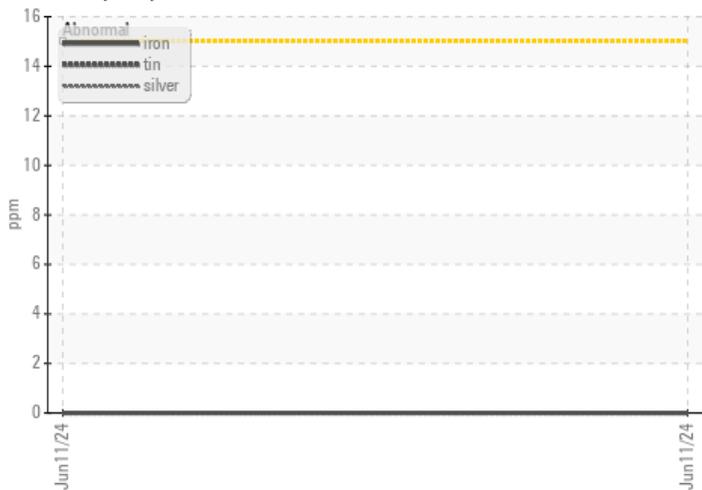
Iron	ppm	0	---	---	---
Aluminum	ppm	0	---	---	---
Copper	ppm	<1	---	---	---
Lead	ppm	31	---	---	---
Tin	ppm	0	---	---	---

Depot: LIENEW
 Unique No: 11090520
 Signed: Jonathan Hester
 Report Date: 26 Jun 2024

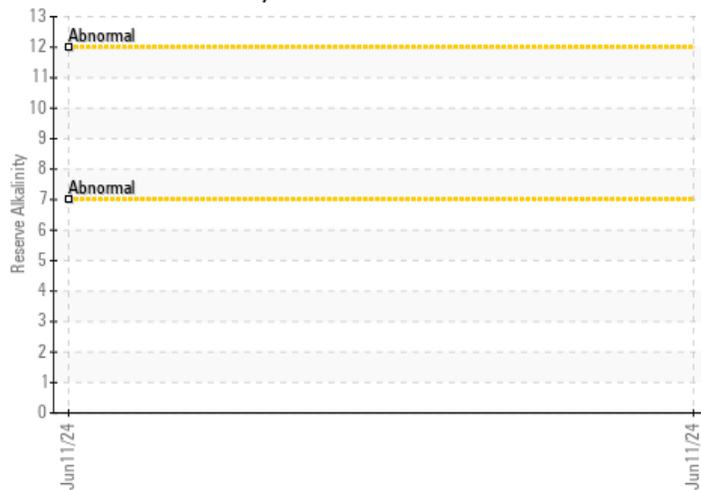


Graphs

Iron/Tin/Silver



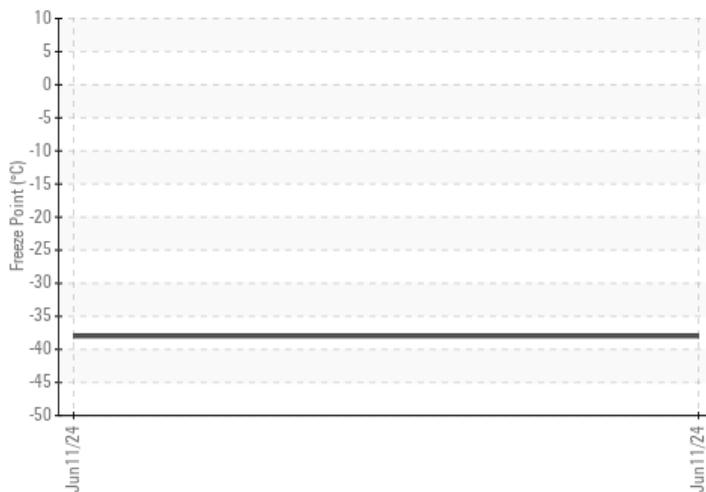
Reserve Alkalinity



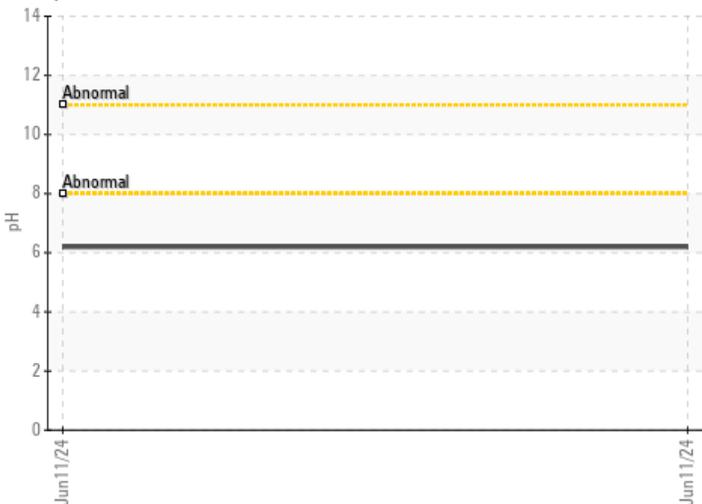
● Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

