

LIEBHERR

CONSTRUCTION EQUIPMENT



[[BIGGIE CRANE]] LIEBHERR LR1700 046254 - Coolant

Sample No: LH0236079
 Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0236079	---	---	---
Sample Date	26 Oct 2023	---	---	---
Machine Hours	1626	---	---	---
Sample Status	ABNORMAL	---	---	---

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES
 4100 CHESTNUT AVENUE
 NEWPORT NEWS, VA
 US 23607
 Contact: JOHNATHAN SMITH
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 T:
 F:



COOLANT CONDITION

Boron	ppm	0	---	---	---
Phosphorus	ppm	10	---	---	---
Sodium	ppm	4284	---	---	---
Potassium	ppm	523	---	---	---
Silicon	ppm	53	---	---	---
pH	Scale 0-14	8.25	---	---	---
Reserve Alkalinity	Scale 0-20	---	---	---	---
Molybdenum	ppm	2	---	---	---
Nitrites	ppm	676	---	---	---
Percentage Glycol	%	53.5	---	---	---
Freezing Point	°C	-43	---	---	---

Diagnosis

No corrective action is recommended at this time. The fluid is suitable for further service. The lead level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the coolant. The carboxylate level of this fluid is acceptable. The glycol level is acceptable. The pH level of this fluid is within the acceptable limits.



CONTAMINATION

Magnesium	ppm	20	---	---	---
Calcium	ppm	12	---	---	---
Coolant Appearance		normal	---	---	---
Coolant Color		Pink	---	---	---



CORROSION

Iron	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Copper	ppm	<1	---	---	---
Lead	ppm	34	---	---	---
Tin	ppm	1	---	---	---

Depot: LIENEW
 Unique No: 10726919
 Signed: Doug Bogart
 Report Date: 07 Nov 2023

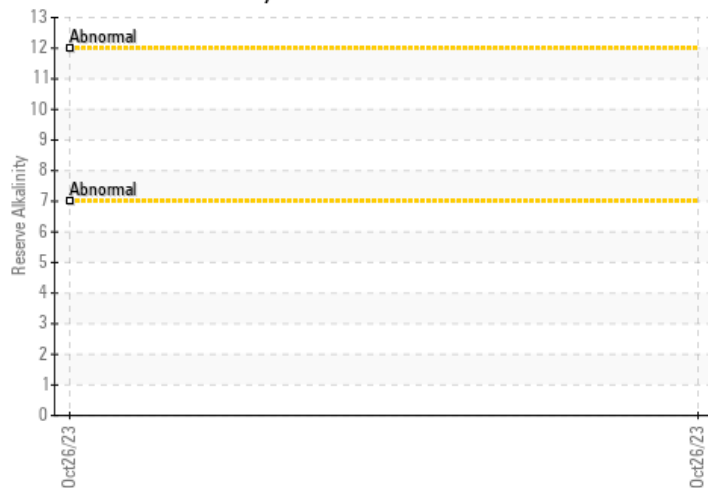


GRAPHS

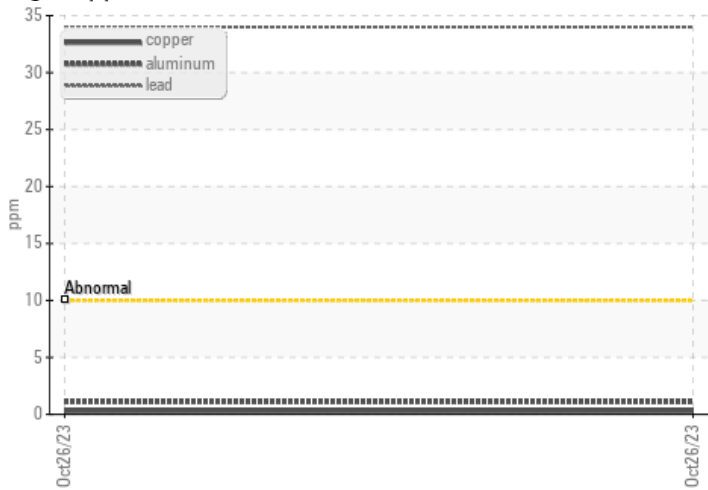
Iron/Tin/Silver



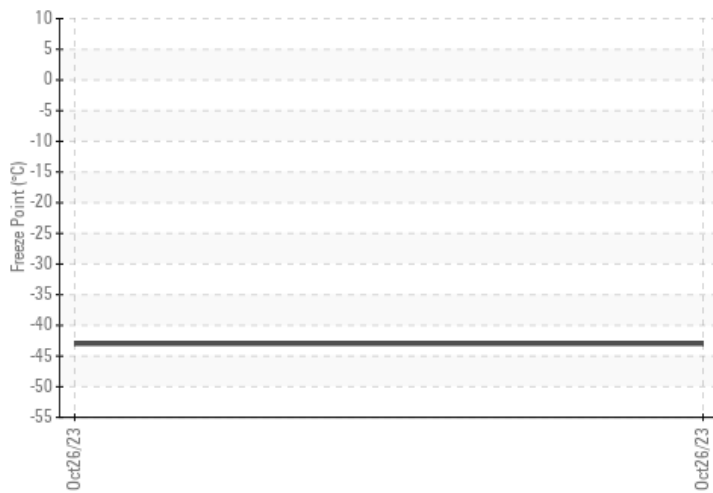
Reserve Alkalinity



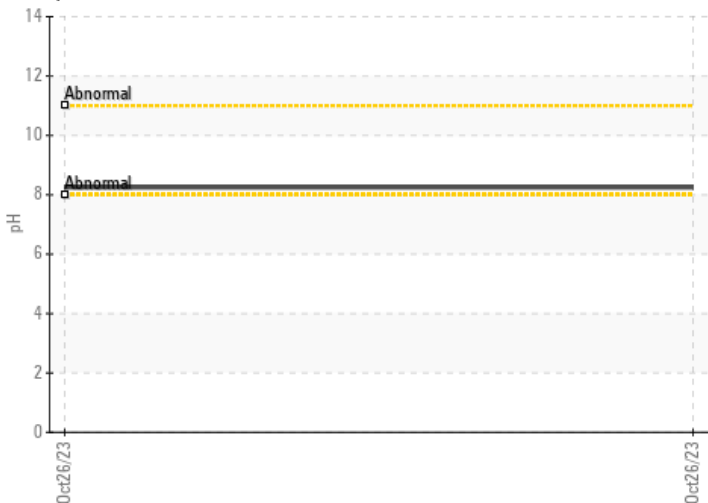
Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

