

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LTM1130-5.1066718 - Coolant

Sample No: LH0259099

Oil Type: CONVENTIONAL COOLANT



#### SAMPLE INFORMATION

Sample Number	LH0259099	LH0259095	---	---
Sample Date	15 Feb 2024	14 Feb 2024	---	---
Machine Hours	0	0	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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



#### COOLANT CONDITION

Boron	ppm	0	0	---	---
Phosphorus	ppm	7	9	---	---
Sodium	ppm	3830	4249	---	---
Potassium	ppm	3466	1045	---	---
Silicon	ppm	45	17	---	---
pH	Scale 0-14	7.43	7.56	---	---
Reserve Alkalinity	Scale 0-20	---	---	---	---
Molybdenum	ppm	134	2	---	---
Nitrites	ppm	524	488	---	---
Percentage Glycol	%	54.0	53.4	---	---
Freezing Point	°C	-45	-43	---	---

#### Diagnosis

The fluid is suitable for further service. All metal levels are normal indicating no corrosion in the cooling system. There is no indication of any contamination in the coolant. The carboxylate level of this fluid is acceptable. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.



#### CONTAMINATION

Magnesium	ppm	16	11	---	---
Calcium	ppm	28	43	---	---
Coolant Appearance		normal	normal	---	---
Coolant Color		Pink	Pink	---	---



#### CORROSION

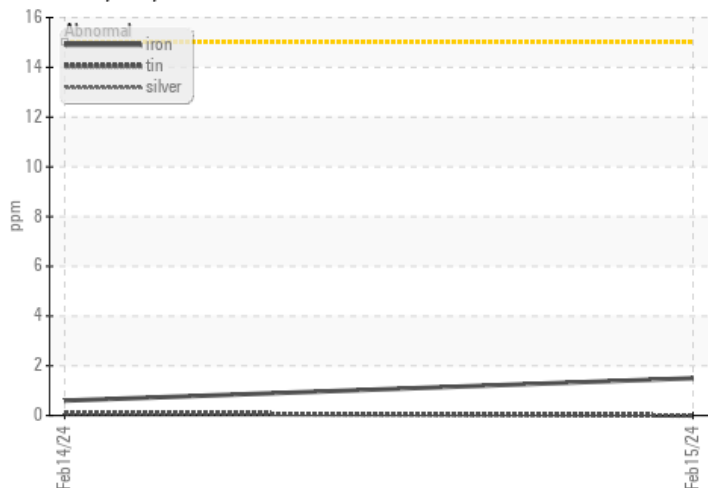
Iron	ppm	2	<1	---	---
Aluminum	ppm	1	1	---	---
Copper	ppm	5	12	---	---
Lead	ppm	2	28	---	---
Tin	ppm	0	<1	---	---

Depot: LIENEW  
 Unique No: 10886734  
 Signed: Jonathan Hester  
 Report Date: 22 Feb 2024

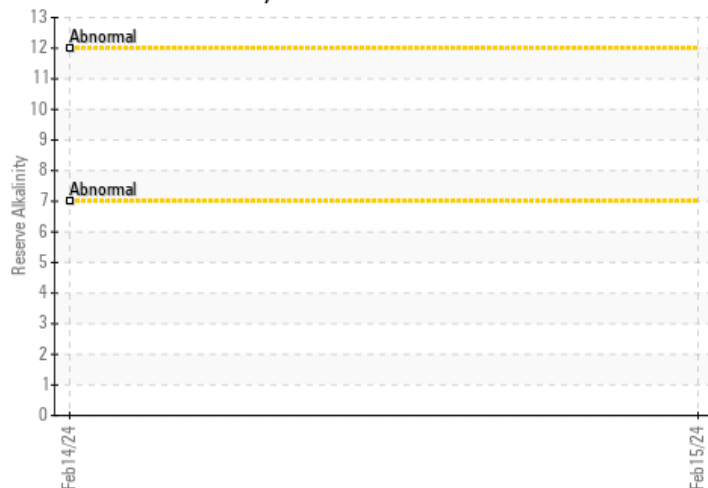


### GRAPHS

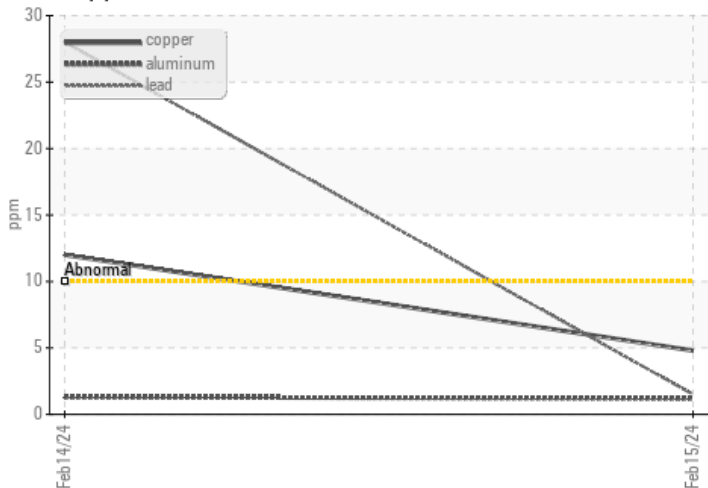
Iron/Tin/Silver



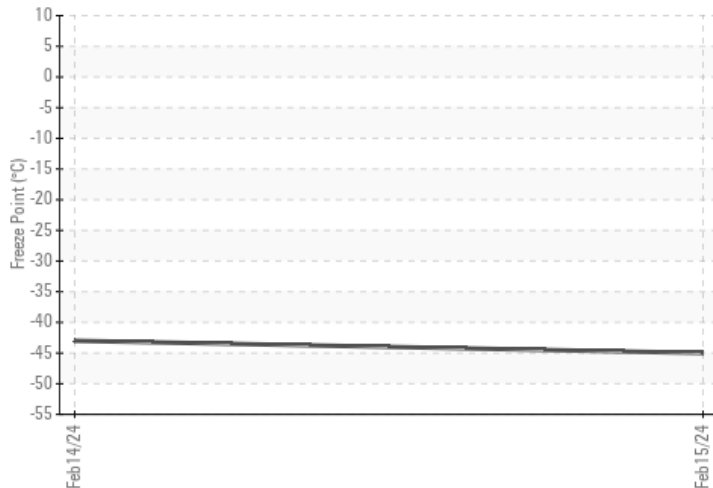
Reserve Alkalinity



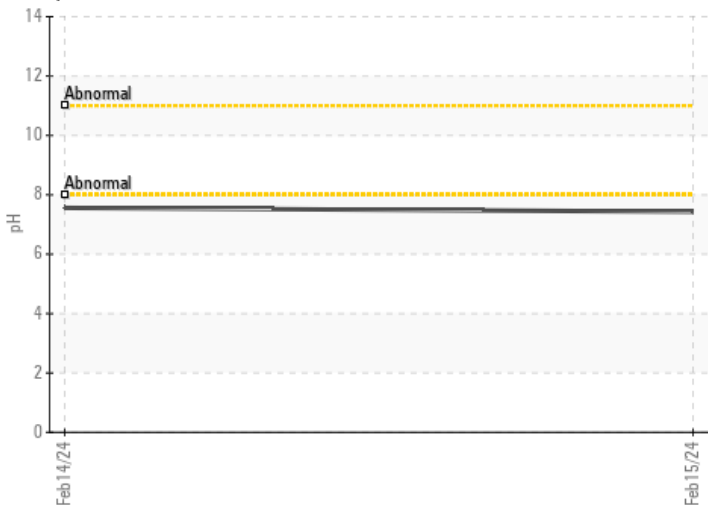
Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

