

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[S20230913054937]] 976 - Coolant

Sample No: LH06059735

Oil Type: {unknown}



#### SAMPLE INFORMATION

Sample Number	LH06059735	---	---	---
Sample Date	11 Jan 2024	---	---	---
Machine Hours	0	---	---	---
Sample Status	NORMAL	---	---	---

#### HEAVY MACHINES INC.

3930 EAST RAINES RD  
MEMPHIS, TN  
US 38118

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T:

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#### COOLANT CONDITION

Boron	ppm	125	---	---	---
Phosphorus	ppm	13	---	---	---
Sodium	ppm	5806	---	---	---
Potassium	ppm	1028	---	---	---
Silicon	ppm	42	---	---	---
pH	Scale 0-14	8.28	---	---	---
Reserve Alkalinity	Scale 0-20	---	---	---	---
Molybdenum	ppm	158	---	---	---
Nitrites	ppm	936	---	---	---
Percentage Glycol	%	61.5	---	---	---
Freezing Point	°C	-59	---	---	---

#### Diagnosis

No corrective action is recommended at this time. 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. Carboxylate test failed. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.



#### CONTAMINATION

Magnesium	ppm	3	---	---	---
Calcium	ppm	8	---	---	---
Coolant Appearance		normal	---	---	---
Coolant Color		Red	---	---	---



#### CORROSION

Iron	ppm	3	---	---	---
Aluminum	ppm	2	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	2	---	---	---

Depot: LEC0051

Unique No: 10831117

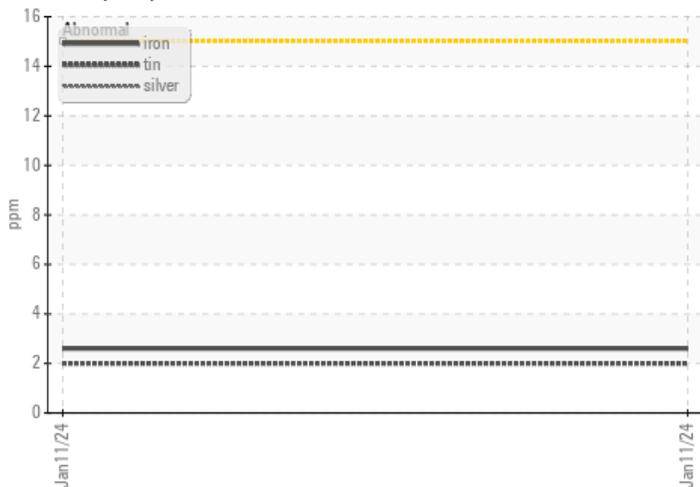
Signed: Doug Bogart

Report Date: 17 Jan 2024

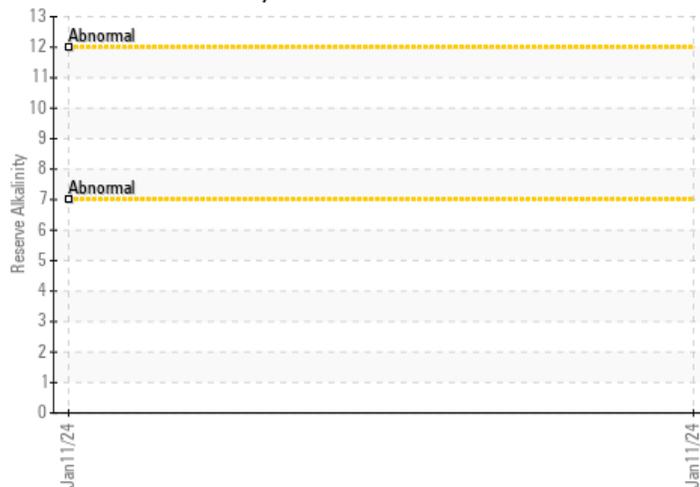


### GRAPHS

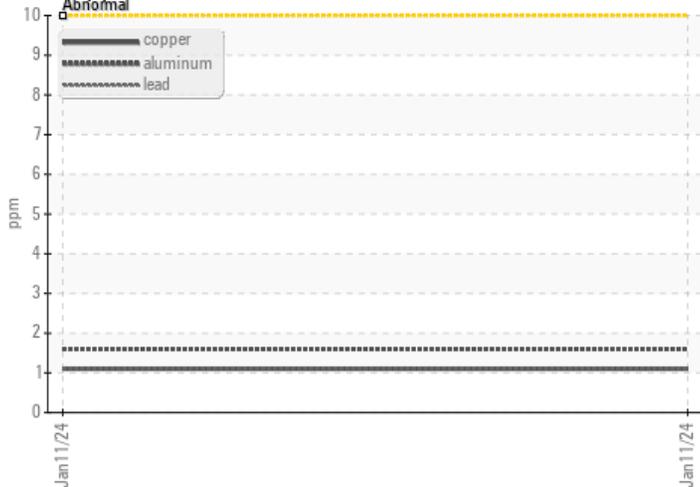
Iron/Tin/Silver



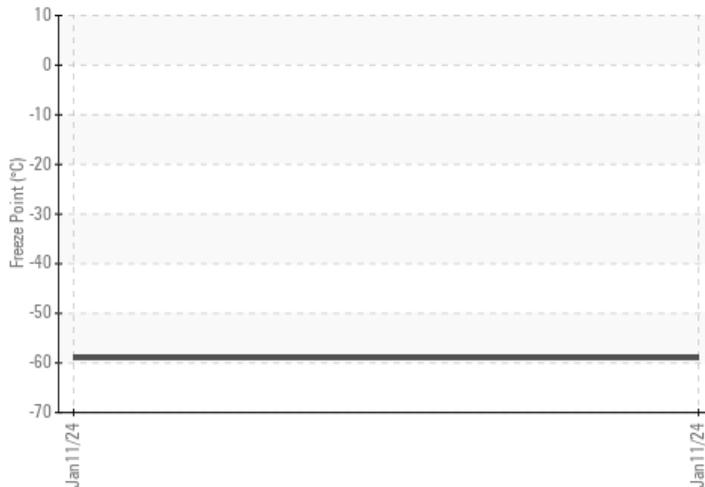
Reserve Alkalinity



Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

