

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L556 055501-1332 - Coolant

Sample No: LH0254829

Oil Type: EXTENDED LIFE COOLANT



#### SAMPLE INFORMATION

Sample Number	LH0254829	LH0254708	LH0254853	LH0207999
Sample Date	06 Feb 2024	24 Sep 2023	22 Feb 2023	12 Aug 2022
Machine Hours	7216	6554	5381	4360
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL



#### COOLANT CONDITION

Boron	ppm	1	10	18	6
Phosphorus	ppm	23	0	33	6
Sodium	ppm	4719	5880	6296	2999
Potassium	ppm	762	1268	1416	599
Silicon	ppm	132	179	208	191
pH	Scale 0-14	7.36	7.08	7.22	7.27
Reserve Alkalinity	Scale 0-20	---	---	---	---
Molybdenum	ppm	4	2	2	<1
Nitrites	ppm	148	712	712	336
Percentage Glycol	%	52.4	53.2	52.6	52.7
Freezing Point	°C	-40	-43	-40	-40



#### CONTAMINATION

Magnesium	ppm	23	32	37	32
Calcium	ppm	11	21	24	22
Coolant Appearance		normal	normal	normal	normal
Coolant Color		Red	Pink	Red	Pink



#### CORROSION

Iron	ppm	5	5	7	5
Aluminum	ppm	2	<1	2	2
Copper	ppm	6	10	10	8
Lead	ppm	2	0	<1	<1
Tin	ppm	<1	0	<1	<1

#### INTERSTATE POWER SYSTEMS

407 ADVENTURLAND DR NE  
ALTOONA, IA

US 50009

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#### Diagnosis

We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's recommendations. 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. The nitrite level is low. The glycol level is acceptable. The pH level of this fluid is within the acceptable limits.

Depot: INTALT

Unique No: 10910344

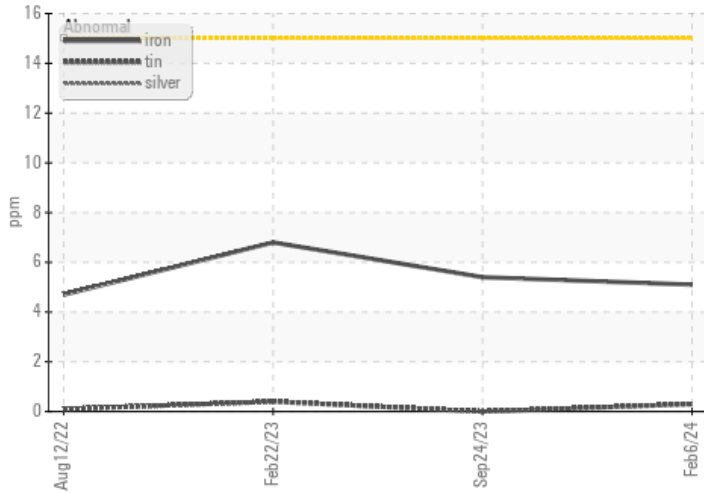
Signed: Jonathan Hester

Report Date: 06 Mar 2024

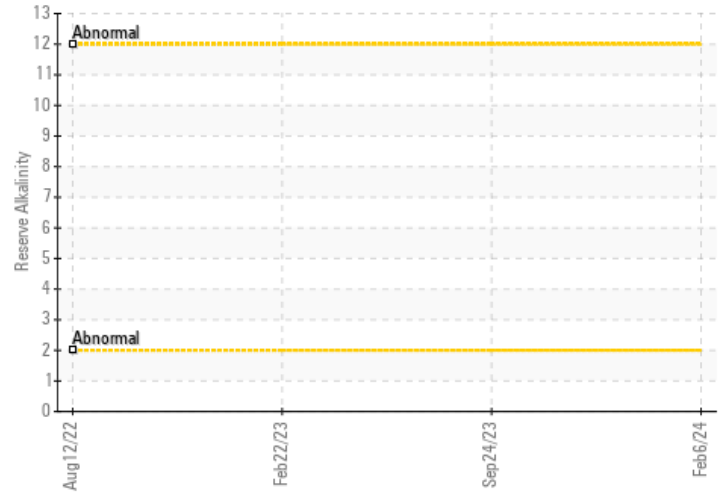


### GRAPHS

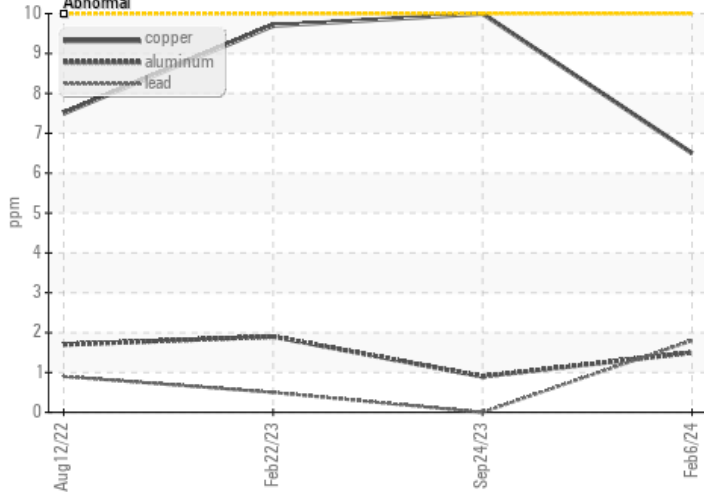
Iron/Tin/Silver



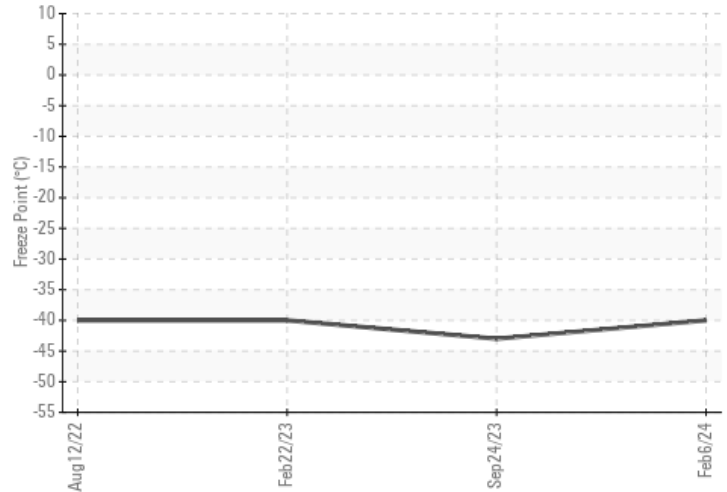
Reserve Alkalinity



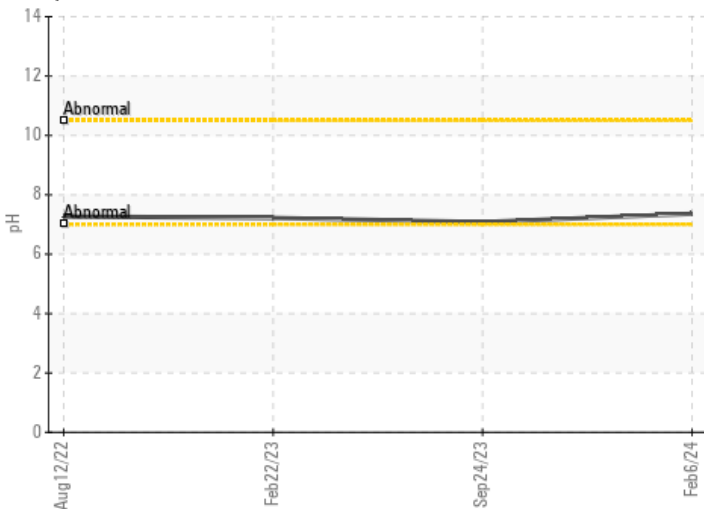
Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

