

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 055501-1332 - Coolant

Sample No: LH0254708

Oil Type: EXTENDED LIFE COOLANT



SAMPLE INFORMATION

Sample Number	LH0254708	LH0254853	LH0207999	---
Sample Date	24 Sep 2023	22 Feb 2023	12 Aug 2022	---
Machine Hours	6554	5381	4360	---
Sample Status	NORMAL	NORMAL	NORMAL	---

INTERSTATE POWER SYSTEMS

407 ADVENTURLAND DR NE
ALTOONA, IA

US 50009

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F:



COOLANT CONDITION

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

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	32	37	32	---
Calcium	ppm	21	24	22	---
Coolant Appearance		normal	normal	normal	---
Coolant Color		Pink	Red	Pink	---



CORROSION

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

Depot: INTALT

Unique No: 10662124

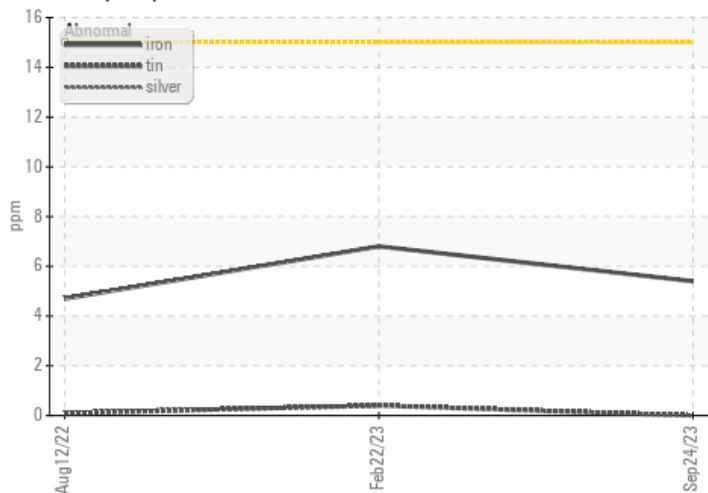
Signed: Doug Bogart

Report Date: 28 Sep 2023

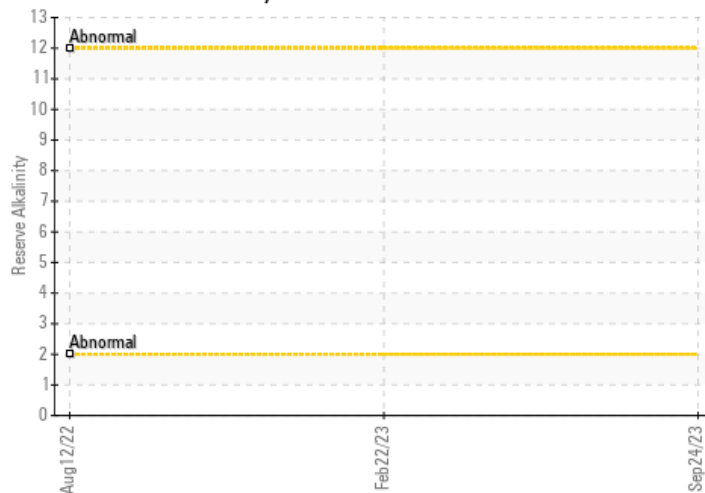


GRAPHS

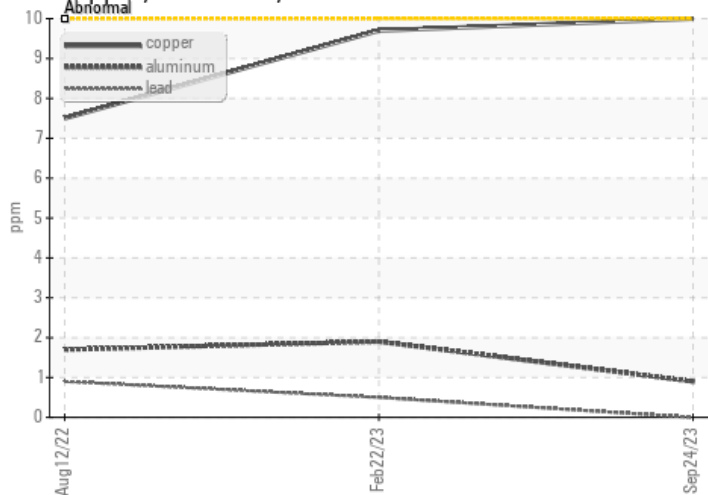
Iron/Tin/Silver



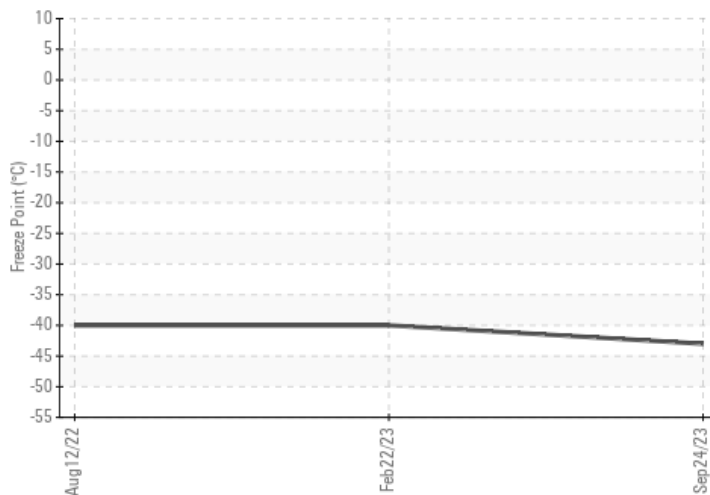
Reserve Alkalinity



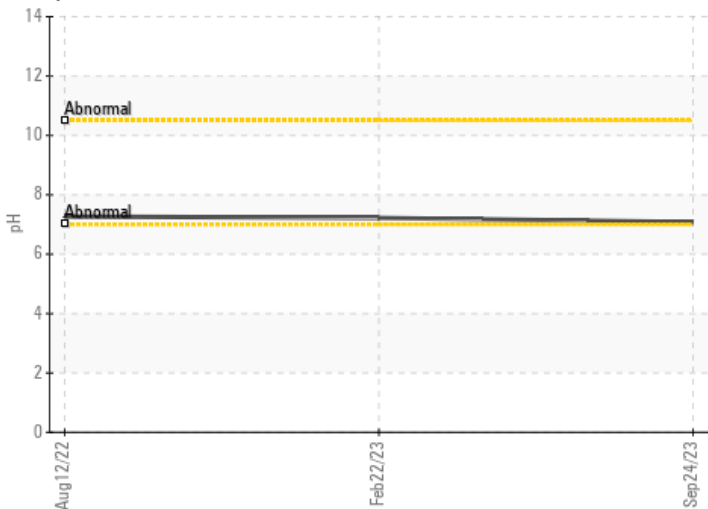
Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

