

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR HS8100 184947 - Coolant

Sample No: LH0296494

Oil Type: EXTENDED LIFE COOLANT



Sample Information

Sample Number	LH0296494	LH0278872	---	---
Sample Date	28 Jun 2024	26 Jan 2024	---	---
Machine Hours	0	15056	---	---
Sample Status	NORMAL	NORMAL	---	---

HIGGS & HIGGS

RR # 4

ST THOMAS, ON

CA N5P 3S8

Contact: Bernie Higgs



Coolant Condition

Boron	ppm	23	4	---	---
Phosphorus	ppm	9	5	---	---
Sodium	ppm	5782	4694	---	---
Potassium	ppm	45	0	---	---
Silicon	ppm	21	4	---	---
pH	Scale 0-14	7.41	8.09	---	---
Reserve Alkalinity	Scale 0-20	2.7	2.5	---	---
Molybdenum	ppm	414	479	---	---
Nitrites	ppm	640	480	---	---
Percentage Glycol	%	51.6	49.9	---	---
Freezing Point	°C	-39	-36	---	---

T: (519)631-4095

F: (519)631-2745

Diagnosis

The fluid is suitable for further service. Resample at the next service interval to monitor. All metal levels are normal indicating no corrosion in the cooling system. There is no indication of any contamination in the coolant. The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.



Contamination

Magnesium	ppm	4	1	---	---
Calcium	ppm	13	8	---	---
Coolant Appearance		Clear	Clear	---	---
Coolant Color		Pink	Red	---	---
Sand/Dirt	scalar	NONE	NONE	---	---
Debris	scalar	VLITE	NONE	---	---
Precipitate	scalar	NONE	NONE	---	---
Silt	scalar	NONE	NONE	---	---



Corrosion

Iron	ppm	2	0	---	---
Aluminum	ppm	2	2	---	---
Copper	ppm	0	1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---

Depot: HIGSTT

Unique No: 5802592

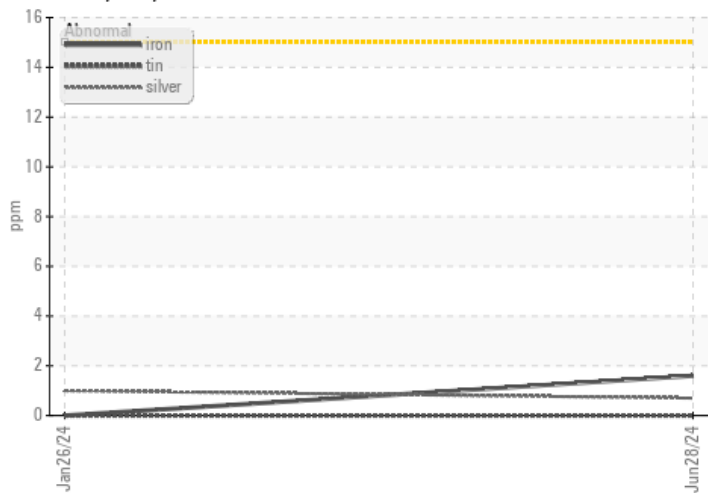
Signed: Kevin Marson

Report Date: 04 Jul 2024

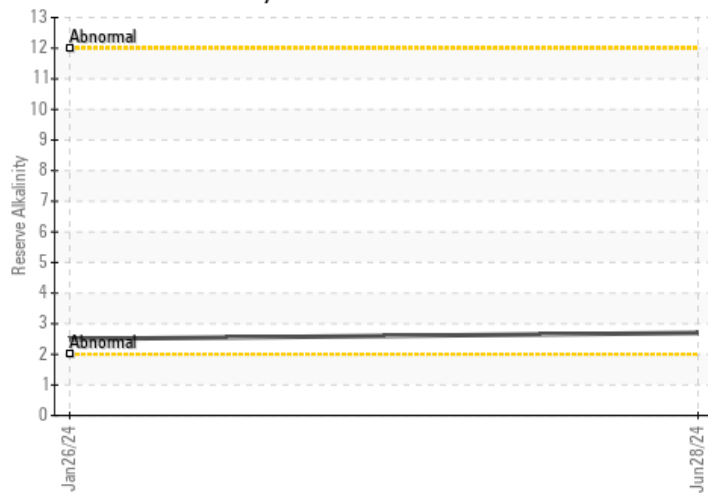


Graphs

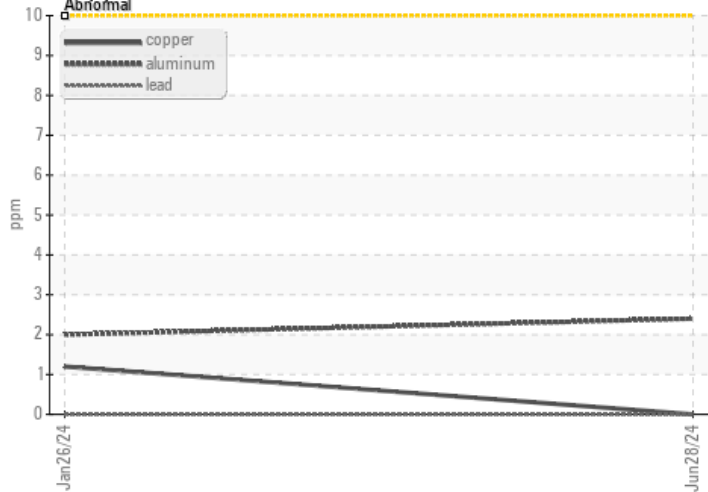
Iron/Tin/Silver



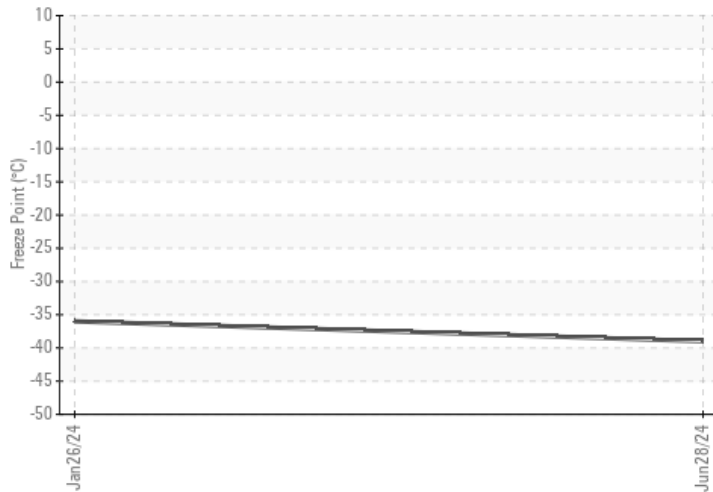
Reserve Alkalinity



Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

