



### 117010 - Coolant

Sample No: LH0274472

Oil Type: EXTENDED LIFE COOLANT



#### SAMPLE INFORMATION

Sample Number	LH0274472	---	---	---
Sample Date	26 Jul 2023	---	---	---
Machine Hours	3035	---	---	---
Sample Status	ABNORMAL	---	---	---

LIEBHERR CANADA LTD.

1015 SUTTON DRIVE

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#### COOLANT CONDITION

Boron	ppm	57	---	---	---
Phosphorus	ppm	14	---	---	---
Sodium	ppm	3964	---	---	---
Potassium	ppm	882	---	---	---
Silicon	ppm	6	---	---	---
pH	Scale 0-14	8.20	---	---	---
Reserve Alkalinity	Scale 0-20	7.0	---	---	---
Molybdenum	ppm	49	---	---	---
Nitrites	ppm	360	---	---	---
Percentage Glycol	%	51.4	---	---	---
Freezing Point	°C	-38	---	---	---

#### Diagnosis

We recommend that you drain the system and refill with a 50/50 long-life coolant/water mixture. 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 coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.



#### CONTAMINATION

Magnesium	ppm	3	---	---	---
Calcium	ppm	23	---	---	---
Coolant Appearance		Cloudy	---	---	---
Coolant Color		Orange	---	---	---
Sand/Dirt	scalar	NONE	---	---	---
Debris	scalar	VLITE	---	---	---
Precipitate	scalar	NONE	---	---	---
Silt	scalar	NONE	---	---	---



#### CORROSION

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

Depot: LIEMIS

Unique No: 5619392

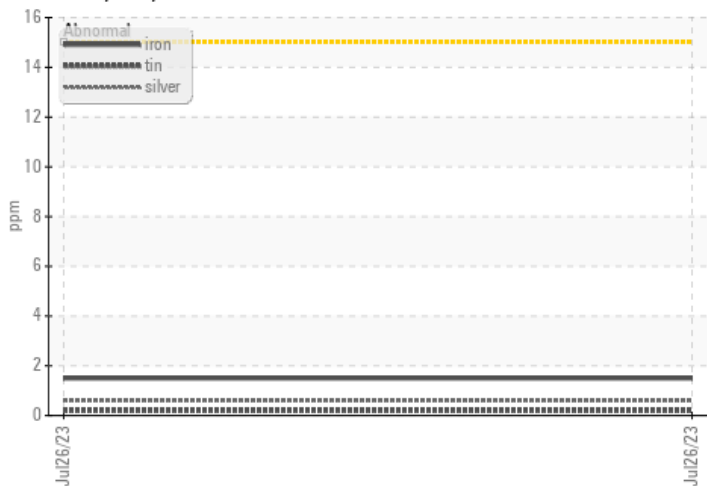
Signed: Kevin Marson

Report Date: 08 Aug 2023

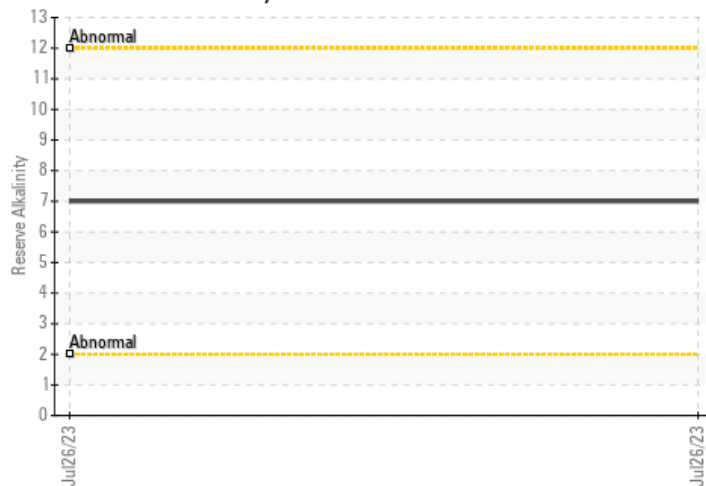


### GRAPHS

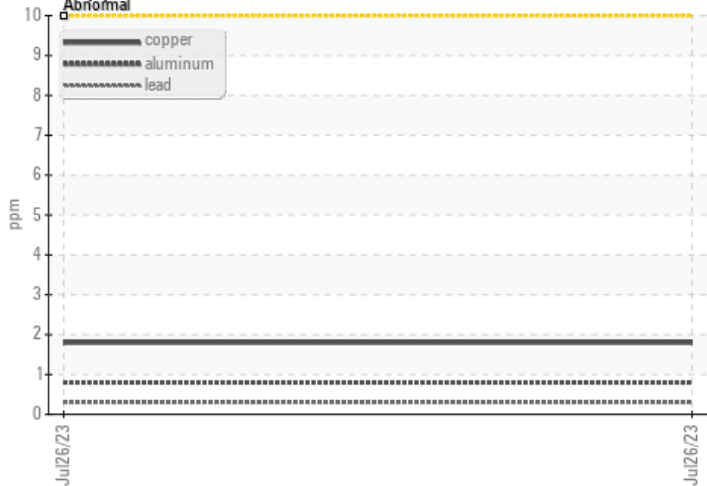
Iron/Tin/Silver



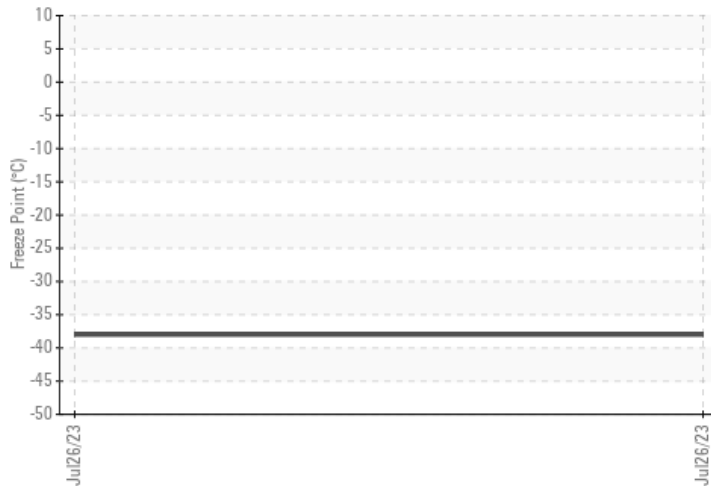
Reserve Alkalinity



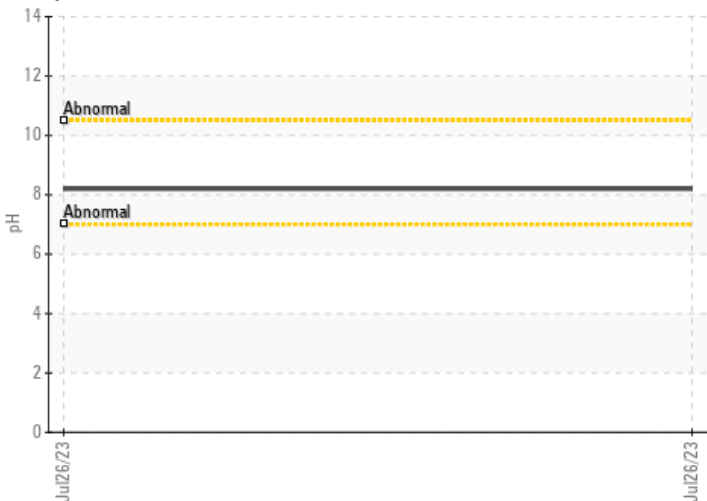
Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

