

LIEBHERR

CONSTRUCTION EQUIPMENT



2018.03.8834 - Coolant

Sample No: LH0274317

Oil Type: EXTENDED LIFE COOLANT



SAMPLE INFORMATION

Sample Number	LH0274317	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	0	---	---	---
Sample Status	SEVERE	---	---	---

LIEBHERR CANADA LTD. - REMAN
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
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 T: (905)319-9222
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COOLANT CONDITION

Boron	ppm	● 13	---	---	---
Phosphorus	ppm	● 8	---	---	---
Sodium	ppm	● 12680	---	---	---
Potassium	ppm	● 511	---	---	---
Silicon	ppm	● 40	---	---	---
pH	Scale 0-14	● 7.23	---	---	---
Reserve Alkalinity	Scale 0-20	● 8.6	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nitrites	ppm	● 520	---	---	---
Percentage Glycol	%	● 57.8	---	---	---
Freezing Point	°C	● -52	---	---	---

Diagnosis

Clean cooling system with an acid-based cleaner according to directions, and flush with water afterwards thoroughly. Refill with 50/50 premix of manufacturer recommended coolant. Resample in 30 days. All metal levels are normal indicating no corrosion in the cooling system. Hardness is critically elevated. Elevated hardness can allow scale formation that will reduce cooling system effectiveness. 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	● 12	---	---	---
Calcium	ppm	● 42	---	---	---
Coolant Appearance		● Clear	---	---	---
Coolant Color		● Pink	---	---	---
Sand/Dirt	scalar	● NONE	---	---	---
Debris	scalar	● VLITE	---	---	---
Precipitate	scalar	● NONE	---	---	---
Silt	scalar	● NONE	---	---	---



CORROSION

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

Depot: REMAN
 Unique No: 5668271
 Signed: Kevin Marson
 Report Date: 25 Oct 2023

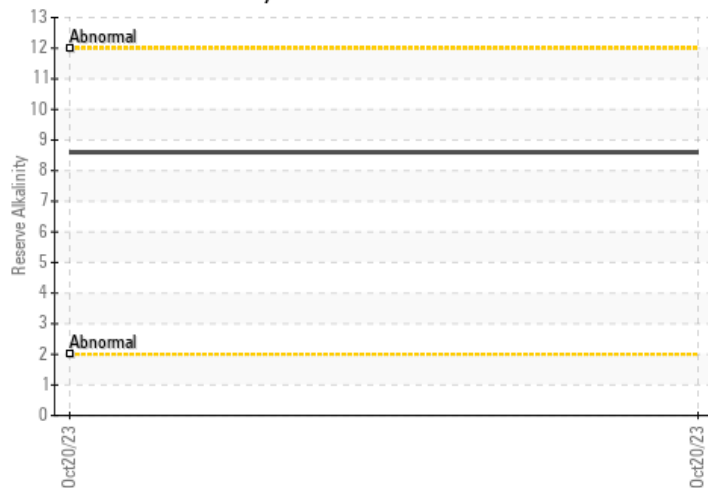


GRAPHS

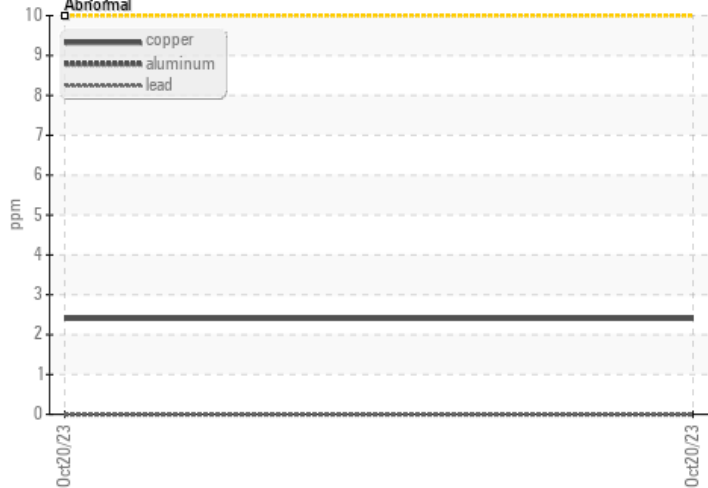
Iron/Tin/Silver



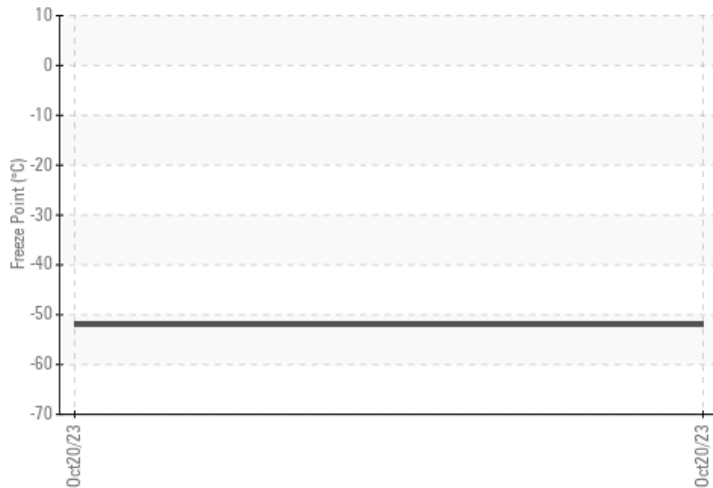
Reserve Alkalinity



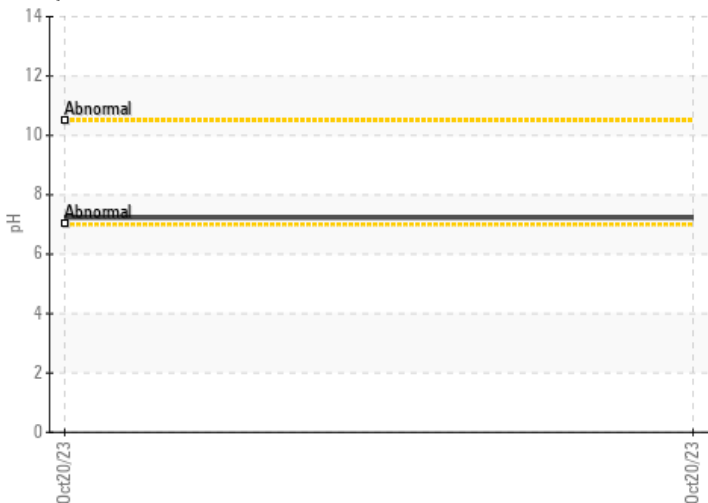
Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

