

LIEBHERR

CONSTRUCTION EQUIPMENT



202001-Coolant

Sample No: LH

Oil Type: EXTENDED LIFE COOLANT



SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	20 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD.

1015 SUTTON DRIVE
BURLINGTON, ON
CA L7L 5Z8

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COOLANT CONDITION

Boron	ppm	69	---	---	---
Phosphorus	ppm	6	---	---	---
Sodium	ppm	4257	---	---	---
Potassium	ppm	1320	---	---	---
Silicon	ppm	6	---	---	---
pH	Scale 0-14	8.06	---	---	---
Reserve Alkalinity	Scale 0-20	3.3	---	---	---
Molybdenum	ppm	140	---	---	---
Nitrites	ppm	400	---	---	---
Percentage Glycol	%	50.0	---	---	---
Freezing Point	°C	-35	---	---	---

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 pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.



CONTAMINATION

Magnesium	ppm	2	---	---	---
Calcium	ppm	11	---	---	---
Coolant Appearance		Clear	---	---	---
Coolant Color		Pink	---	---	---
Sand/Dirt	scalar	NONE	---	---	---
Debris	scalar	NONE	---	---	---
Precipitate	scalar	NONE	---	---	---
Silt	scalar	NONE	---	---	---



CORROSION

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

Depot: LIEMIS
Unique No: 5683123
Signed: Kevin Marson
Report Date: 22 Nov 2023

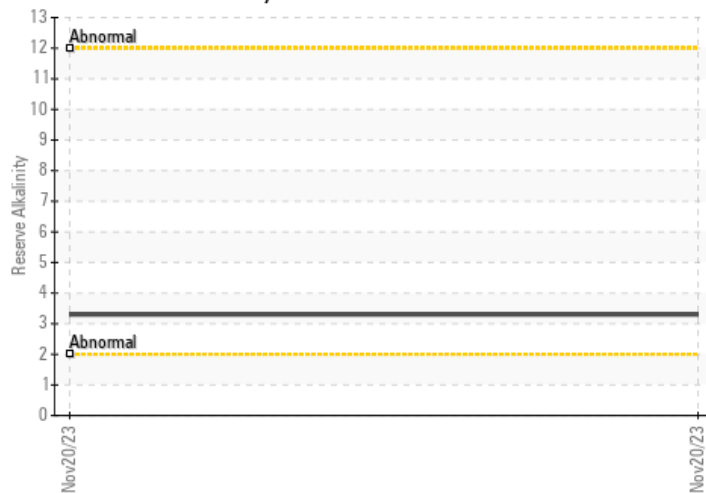


GRAPHS

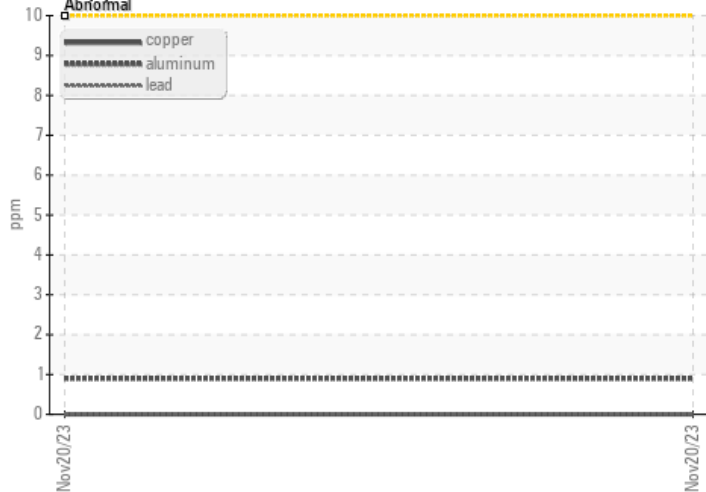
Iron/Tin/Silver



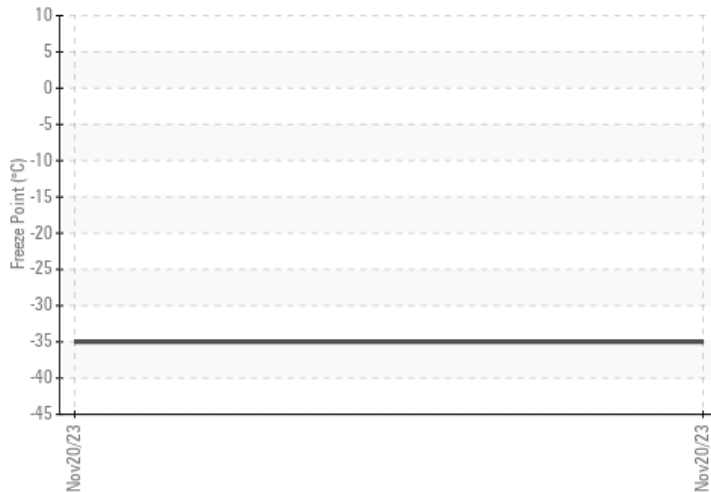
Reserve Alkalinity



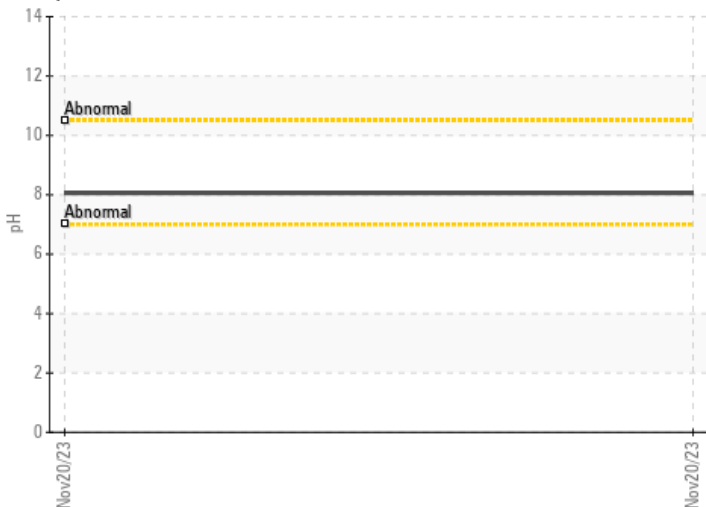
Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

