

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR 185289 - Coolant

Sample No: LH0270278

Oil Type: HYBRID (HOAT) COOLANT



Sample Information

Sample Number	LH0270278	---	---	---
Sample Date	29 Sep 2023	---	---	---
Machine Hours	3024	---	---	---
Sample Status	NORMAL	---	---	---

Harbour Development
 380 Bayside Dr
 St John, NB
 CA E2J 4Y8
 Contact: Darien Edison
 edison.darien@harbourdev.com

T:
F:



Coolant Condition

Boron	ppm	16	---	---	---
Phosphorus	ppm	5	---	---	---
Sodium	ppm	7330	---	---	---
Potassium	ppm	715	---	---	---
Silicon	ppm	4	---	---	---
pH	Scale 0-14	7.76	---	---	---
Reserve Alkalinity	Scale 0-20	5.6	---	---	---
Molybdenum	ppm	0	---	---	---
Nitrites	ppm	520	---	---	---
Percentage Glycol	%	52.7	---	---	---
Freezing Point	°C	-40	---	---	---

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	2	---	---	---
Calcium	ppm	24	---	---	---
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	0	---	---	---
Copper	ppm	0	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---

Depot: HAR380STJ
Unique No: 5656418
Signed: Kevin Marson
Report Date: 06 Oct 2023

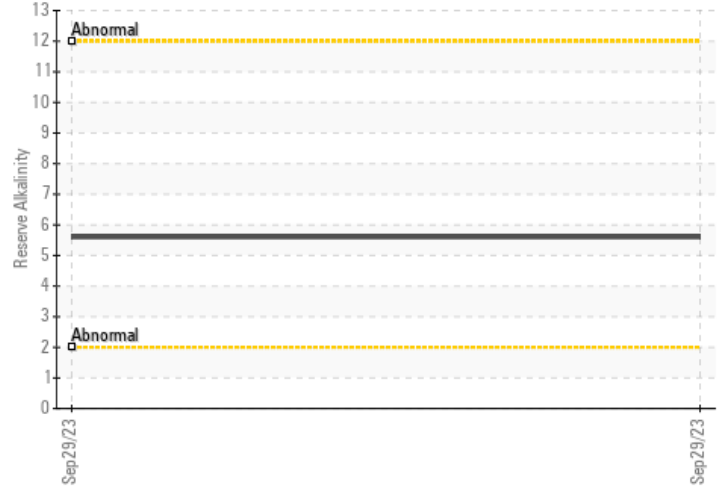


Graphs

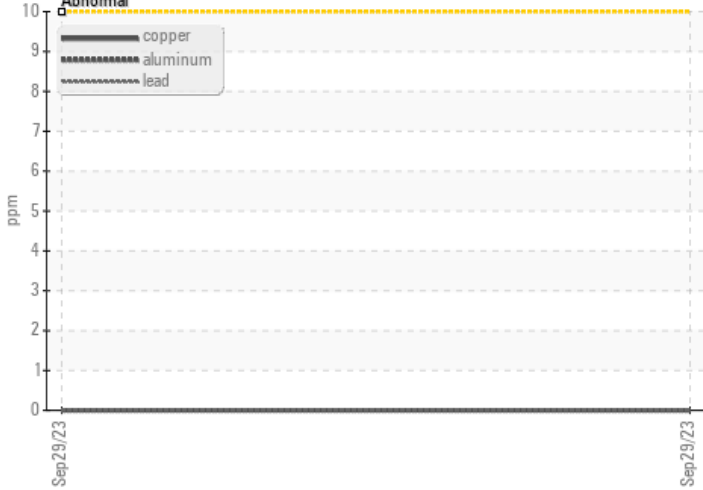
Iron/Tin/Silver



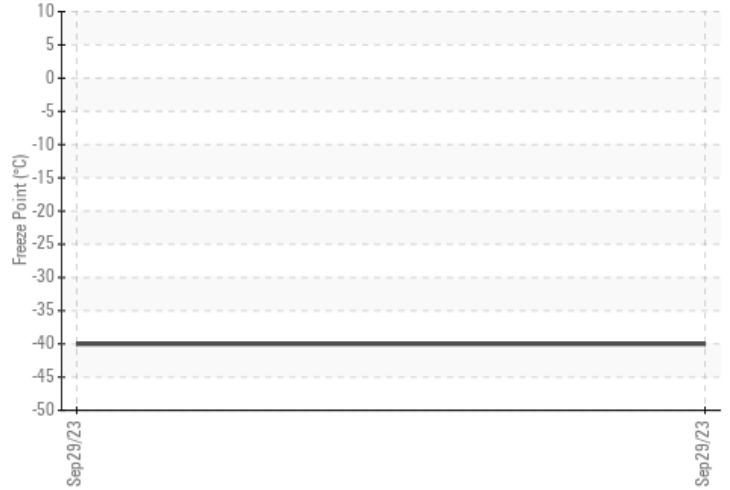
Reserve Alkalinity



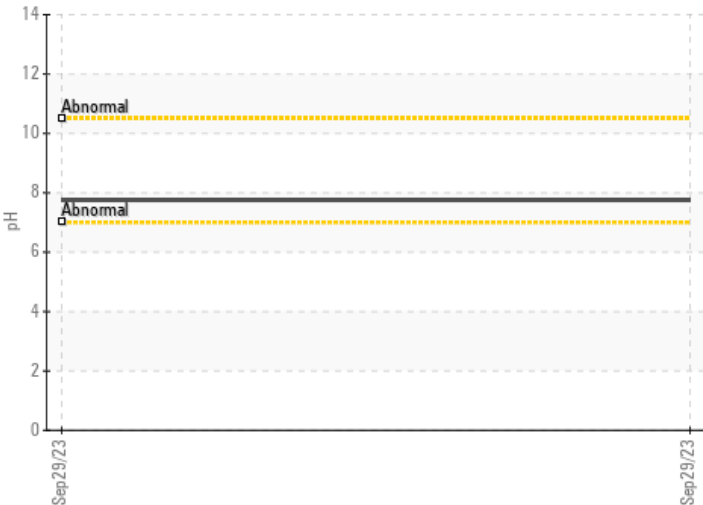
Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

