

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L538P 063547-1754 - Coolant

Sample No: LH0269551

Oil Type: HYBRID (HOAT) COOLANT



#### SAMPLE INFORMATION

Sample Number	LH0269551	---	---	---
Sample Date	31 Jul 2023	---	---	---
Machine Hours	1175	---	---	---
Sample Status	ABNORMAL	---	---	---

HEFLER FOREST PRODUCTS - 4325842 NS LTD.  
230 LUCASVILLE RD.  
LOWER SACKVILLE, NS  
CA B4B 1S1  
Contact: Service Manager



#### COOLANT CONDITION

Boron	ppm	6	---	---	---
Phosphorus	ppm	20	---	---	---
Sodium	ppm	3974	---	---	---
Potassium	ppm	695	---	---	---
Silicon	ppm	45	---	---	---
pH	Scale 0-14	7.24	---	---	---
Reserve Alkalinity	Scale 0-20	6.2	---	---	---
Molybdenum	ppm	3	---	---	---
Nitrites	ppm	520	---	---	---
Percentage Glycol	%	51.9	---	---	---
Freezing Point	°C	-38	---	---	---

T:  
F:

#### Diagnosis

Drain system and refill with 50/50 premix of manufacturer recommended coolant. All metal levels are normal indicating no corrosion in the cooling system. Hardness is 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	7	---	---	---
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	2	---	---	---
Aluminum	ppm	2	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	4	---	---	---
Tin	ppm	<1	---	---	---

Depot: HEFLOW  
Unique No: 5618596  
Signed: Kevin Marson  
Report Date: 01 Aug 2023

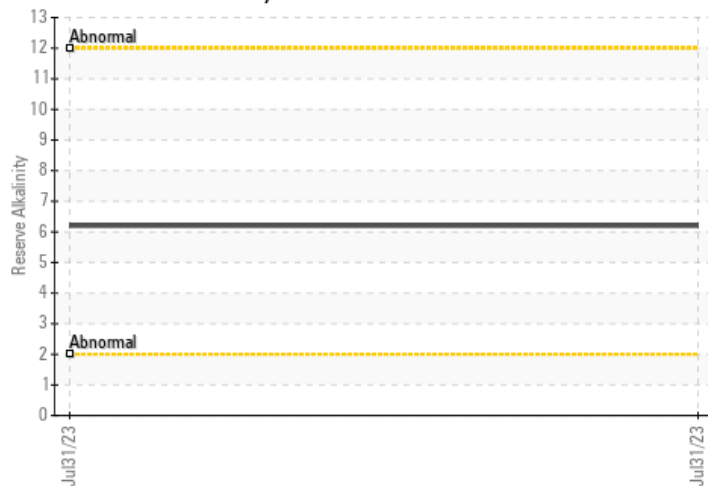


### GRAPHS

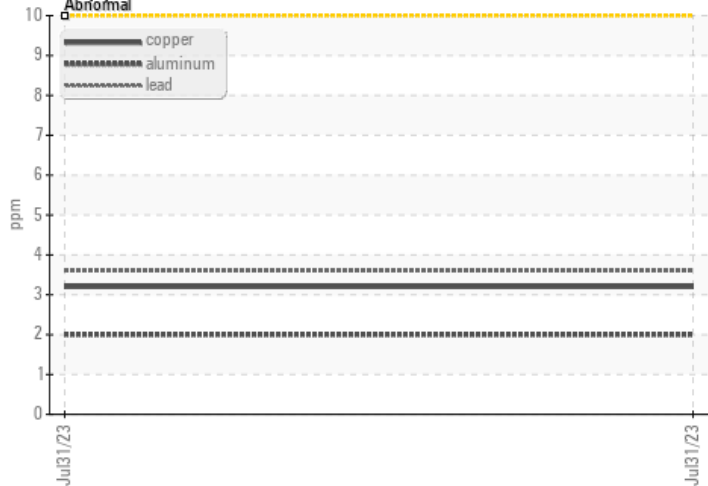
Iron/Tin/Silver



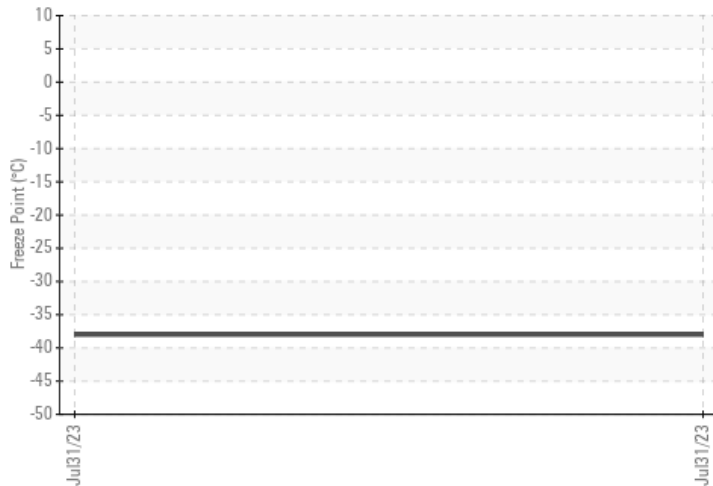
Reserve Alkalinity



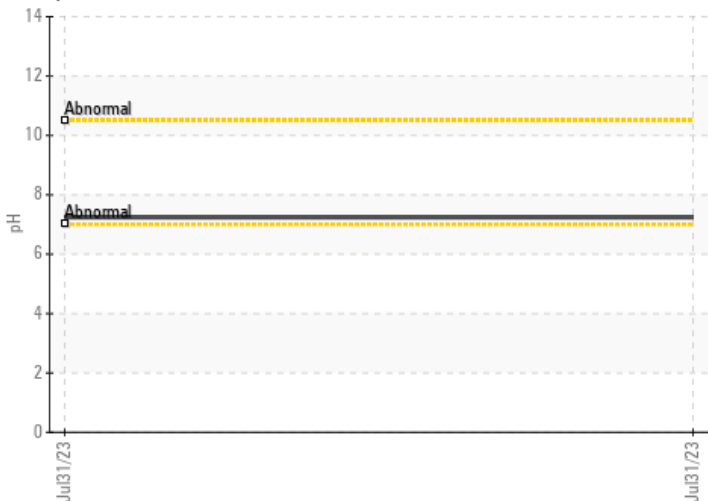
Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

