

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR PR776 15946 - Coolant

Sample No: LHMC105940

Oil Type: EXTENDED LIFE COOLANT



**LIEBHERR MINING EQUIPMENT CO**  
 5800 S DOUGLAS HWY  
 GILLETTE, WY  
 US 82718  
 Contact: SCOTT BRADLEY  
 scott.bradley@liebherr.com  
 T:  
 F:



#### Sample Information

Sample Number	LHMC105940	LH0220505	LHMC147058	---
Sample Date	14 May 2024	14 Oct 2023	18 Jul 2019	---
Machine Hours	11418	8488	73	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---



#### Coolant Condition

Boron	ppm	2	4	---	---
Phosphorus	ppm	2	80	---	---
Sodium	ppm	5051	4719	---	---
Potassium	ppm	407	267	---	---
Silicon	ppm	16	12	---	---
pH	Scale 0-14	7.15	7.37	8.16	---
Reserve Alkalinity	Scale 0-20	---	---	---	---
Molybdenum	ppm	83	182	---	---
Nitrites	ppm	712	636	636	---
Percentage Glycol	%	48.9	43.4	55	---
Freezing Point	°C	-31	-19	-50	---

#### Diagnosis

The fluid is suitable for further service. All metal levels are normal indicating no corrosion in the cooling system. There is no indication of any contamination in the coolant. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.



#### Contamination

Magnesium	ppm	13	3	---	---
Calcium	ppm	26	13	---	---
Coolant Appearance		normal	normal	normal	---
Coolant Color		Red	Red	Pink	---



#### Corrosion

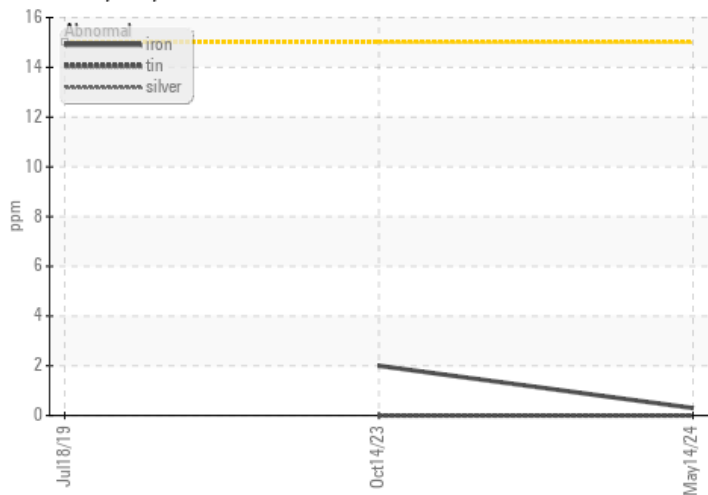
Iron	ppm	<1	2	---	---
Aluminum	ppm	6	14	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---

Depot: LIEGIL  
 Unique No: 11050227  
 Signed: Doug Bogart  
 Report Date: 05 Jun 2024

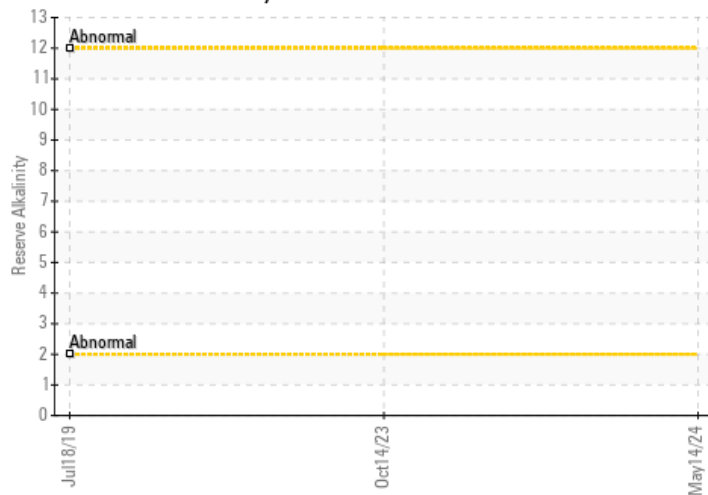


### Graphs

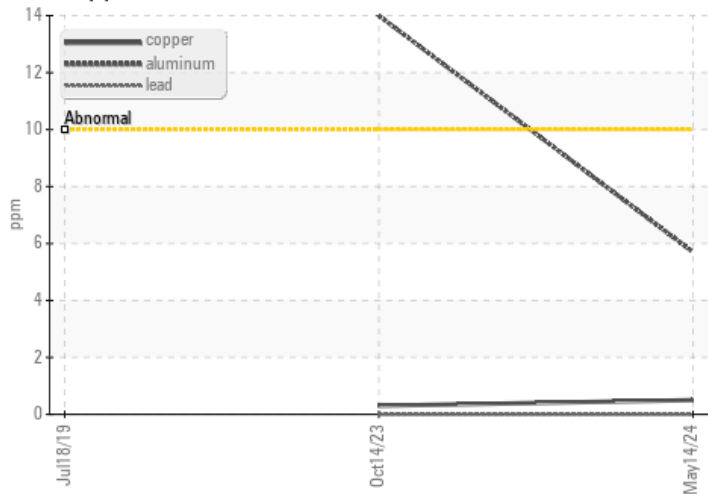
Iron/Tin/Silver



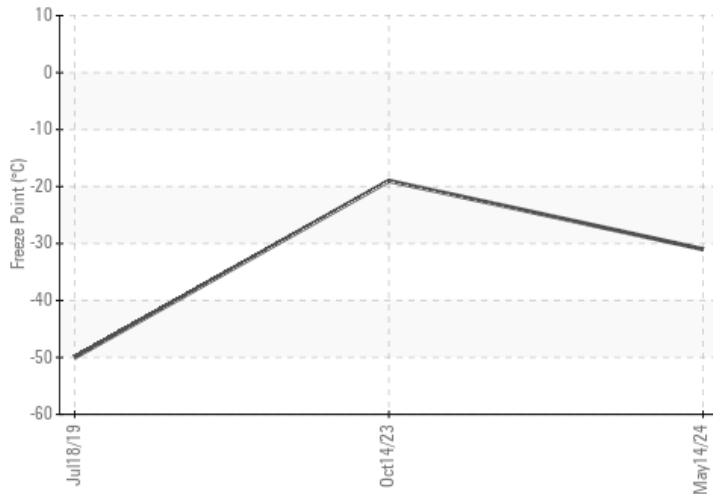
Reserve Alkalinity



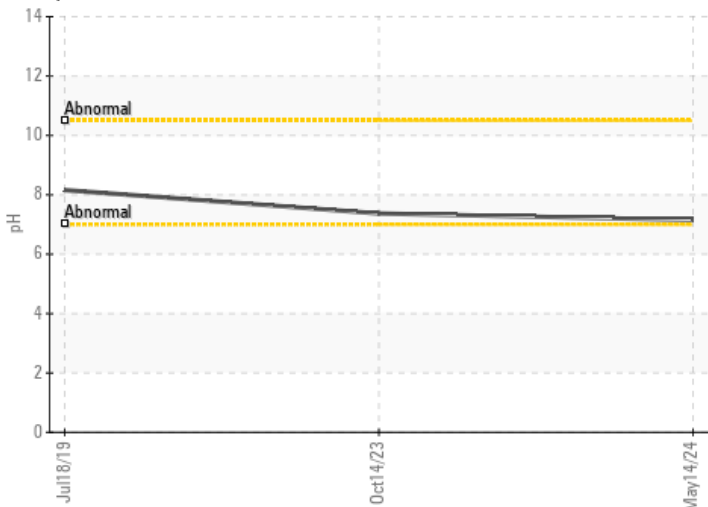
Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

