

LIEBHERR

CONSTRUCTION EQUIPMENT



2021.16.0827 - Coolant

Sample No: LH0286845

Oil Type: HYBRID (HOAT) COOLANT



SAMPLE INFORMATION

Sample Number	LH0286845	---	---	---
Sample Date	07 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD. - REMAN
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Morteza Mahmoudi
 morteza.mahmoudi@liebherr.com
 T: (905)319-9222
 F: (905)319-6622



COOLANT CONDITION

Boron	ppm	2	---	---	---
Phosphorus	ppm	8	---	---	---
Sodium	ppm	8876	---	---	---
Potassium	ppm	991	---	---	---
Silicon	ppm	8	---	---	---
pH	Scale 0-14	7.65	---	---	---
Reserve Alkalinity	Scale 0-20	3.2	---	---	---
Molybdenum	ppm	11	---	---	---
Nitrites	ppm	880	---	---	---
Percentage Glycol	%	50.4	---	---	---
Freezing Point	°C	-37	---	---	---

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	6	---	---	---
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	4	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---

Depot: REMAN
 Unique No: 5746080
 Signed: Kevin Marson
 Report Date: 11 Mar 2024

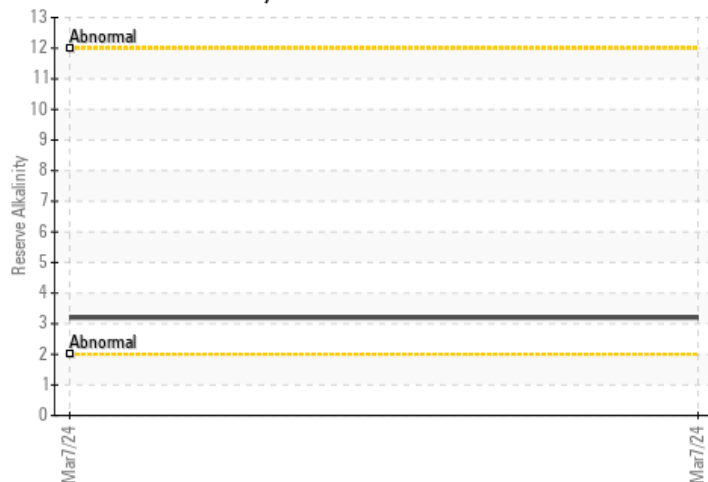


GRAPHS

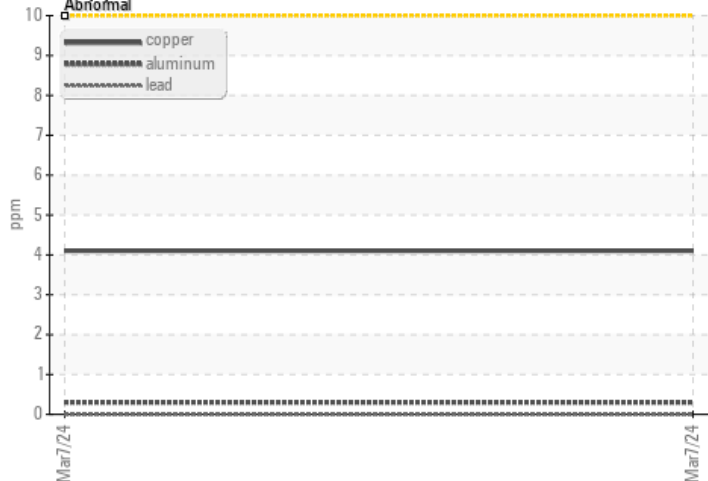
Iron/Tin/Silver



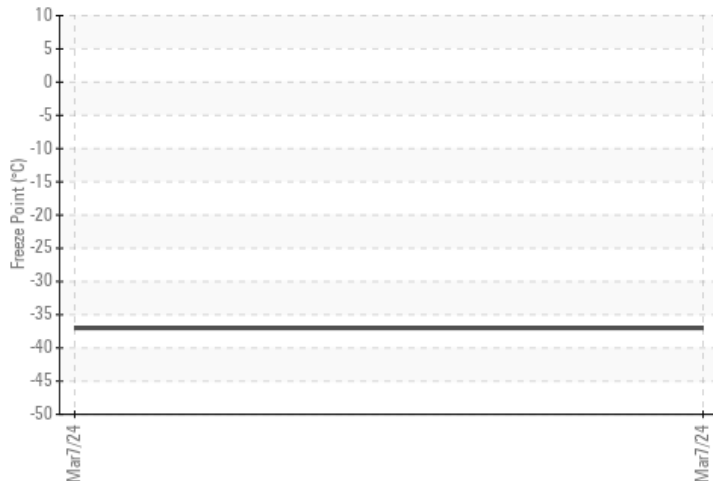
Reserve Alkalinity



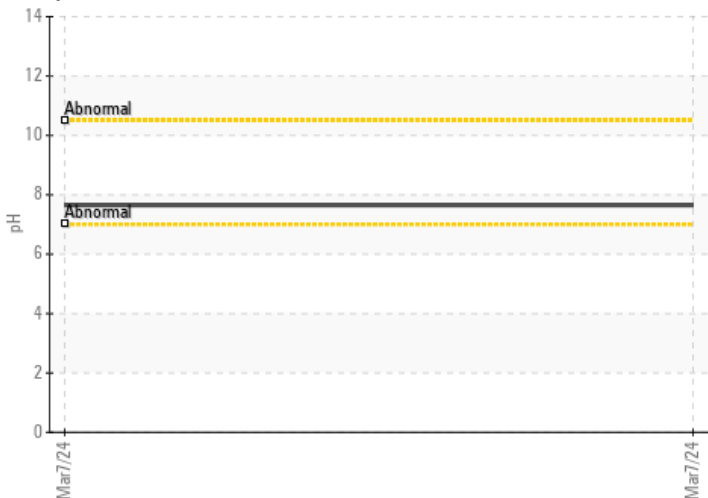
Copper/Aluminum/Lead



Freeze Point



pH



Nitrites

