[SOLETANCHE [604374]] LIEBHERR HS8100 186028 - COOLANT

Sample No: LH0286948

Oil Type: HYBRID (HOAT) COOLANT

SAMPLE INFORMATION

Sample Number		**LH0286948**	---	---	---
Sample Date		**06 Apr 2024**	---	---	---
Machine Hours		**2891**	---	---	---
Sample Status		**SEVERE**	---	---	---

COOLANT CONDITION

Boron	ppm	**30**	---	---	---
Phosphorus	ppm	**15**	---	---	---
Sodium	ppm	**7160**	---	---	---
Potassium	ppm	**372**	---	---	---
Silicon	ppm	**62**	---	---	---
pH	Scale 0-14	**7.18**	---	---	---
Reserve Alkalinity	Scale 0-20	**8.5**	---	---	---
Molybdenum	ppm	**4**	---	---	---
Nitrites	ppm	**360**	---	---	---
Percentage Glycol	%	**51.3**	---	---	---
Freezing Point	°C	**-39**	---	---	---

CONTAMINATION

Magnesium	ppm	**18**	---	---	---
Calcium	ppm	**50**	---	---	---
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	**2**	---	---	---
Lead	ppm	**0**	---	---	---
Tin	ppm	**0**	---	---	---

SOLETANCHE BACHY CANADA
3 STUDEBAKER PLACE
HAMILTON, ON
CA L8L 0C8
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Diagnosis

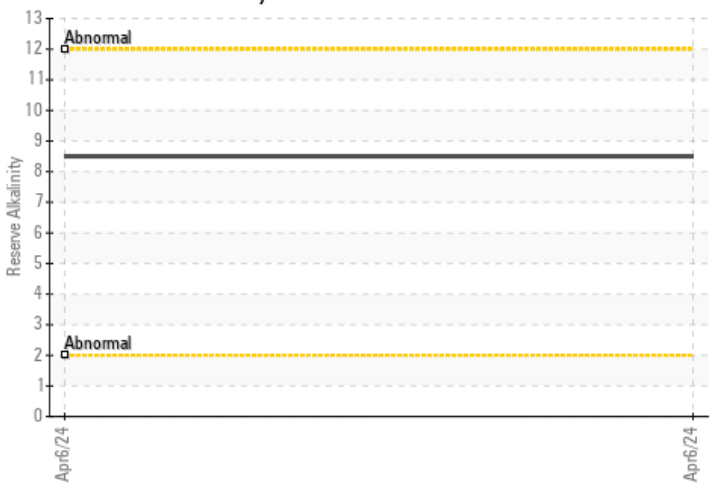
Clean cooling system with an acid-based cleaner according to directions, and flush with water afterwards thoroughly. Refill with 50/50 premix of manufacturer recommended coolant. Resample in 30 days.All metal levels are normal indicating no corrosion in the cooling system. Hardness is critically elevated. Elevated hardness can allow scale formation that will reduce cooling system effectiveness. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Depot: SOLHAM
Unique No: 5761165
Signed: Kevin Marson
Report Date: 10 Apr 2024

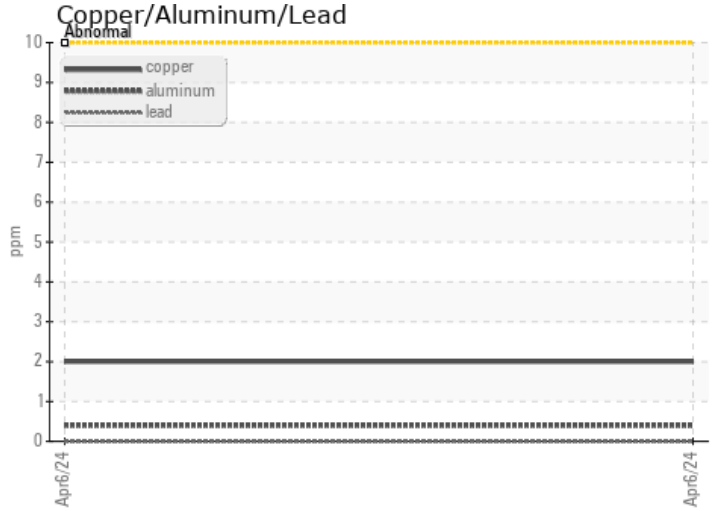
GRAPHS

Iron/Tin/Silver

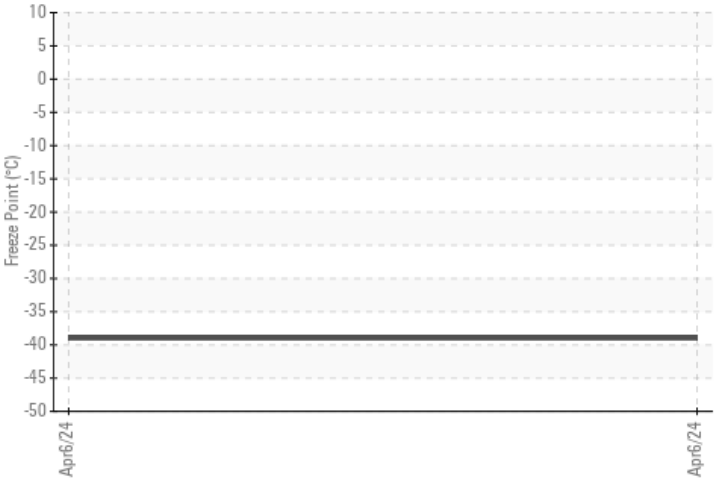
Reserve Alkalinity



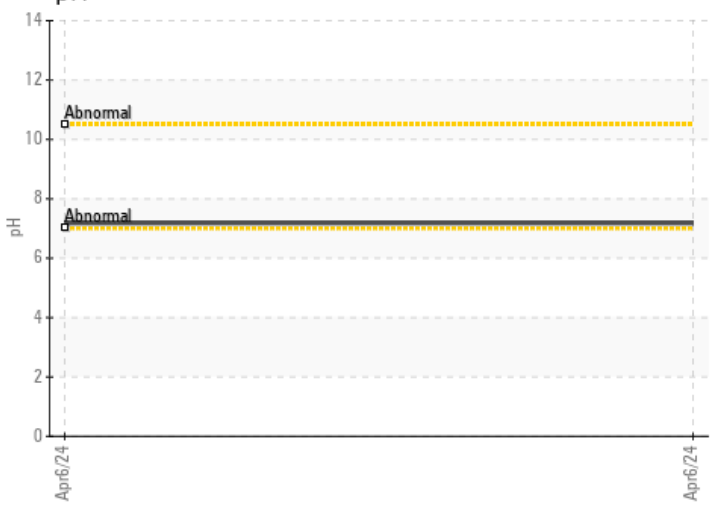
Copper/Aluminum/Lead



Freeze Point



pH



Nitrites