



# LIEBHERR

## COOLANT REPORT

CORROSION

**NORMAL**

CONTAMINANTS

**ABNORMAL**

COOLANT CONDITION

**NORMAL**



Machine Id  
**LIEBHERR LH30M 144578-1253**  
 Component  
**Coolant**  
 Fluid  
**EXTENDED LIFE COOLANT (--- GAL)**

### RECOMMENDATION

Drain system and refill with 50/50 premix of manufacturer recommended coolant.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0278710</b>	---	---
Sample Date		Client Info		<b>05 Apr 2024</b>	---	---
Machine Age	hrs	Client Info		<b>1300</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Not Chngd</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

### CORROSION

All metal levels are normal indicating no corrosion in the cooling system.

Iron	ppm	ASTM D5185(m)	>15	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Zinc	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---

### CONTAMINANTS

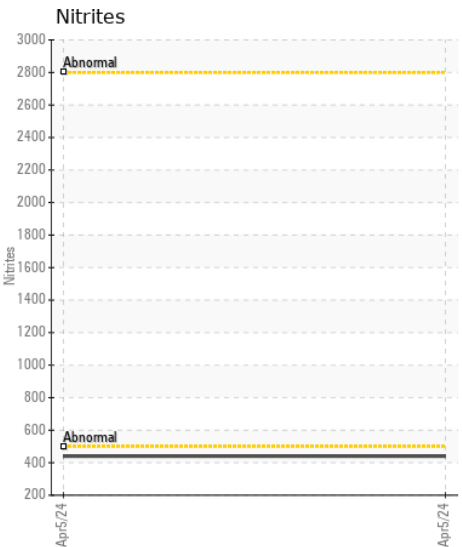
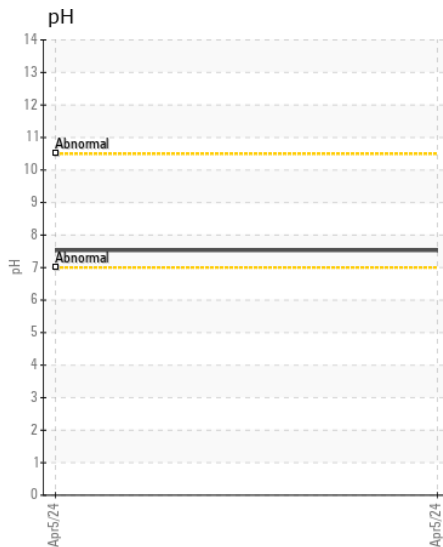
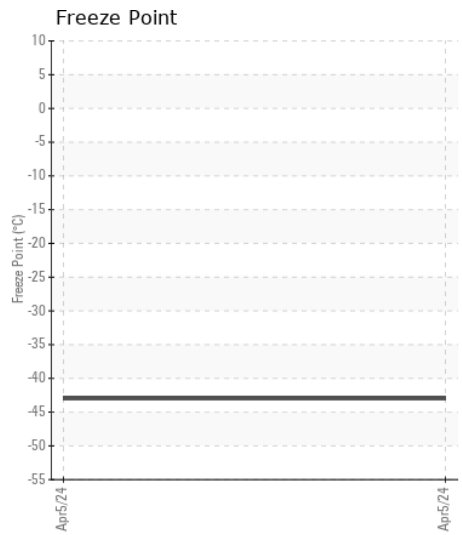
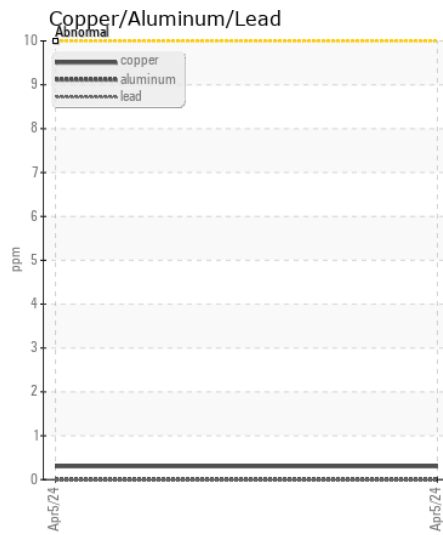
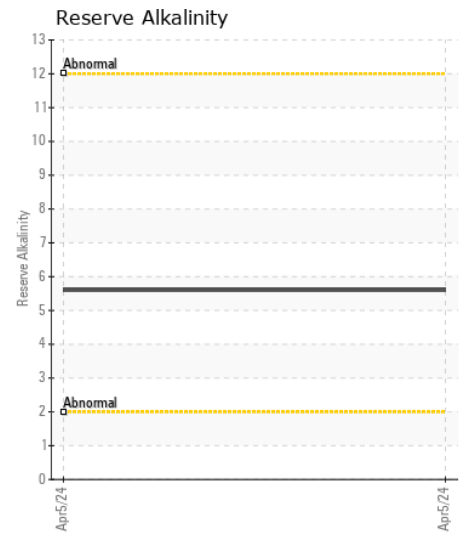
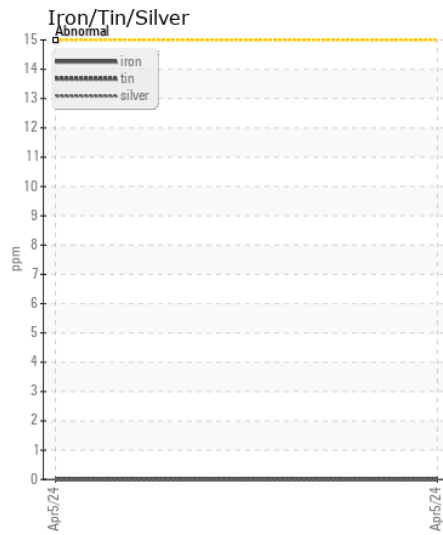
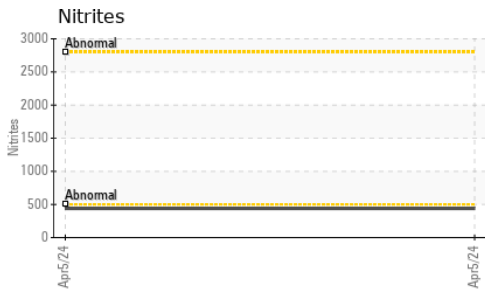
Hardness is elevated. Elevated hardness can allow scale formation that will reduce cooling system effectiveness.

Calcium	ppm	ASTM D5185(m)	>100	<b>23</b>	---	---
Magnesium	ppm	ASTM D5185(m)	>40	<b>6</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Coolant Appearance		Visual*	Clear	<b>Clear</b>	---	---

### COOLANT CONDITION

The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Boiling Point	°C	WC Method*		<b>108</b>	---	---
Specific Gravity		ASTM D1298*		<b>1.073</b>	---	---
pH	Scale 0-14	ASTM D1287*	9.0	<b>7.53</b>	---	---
Nitrites	ppm	Alcan Test Kit*		<b>440</b>	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>5.6</b>	---	---
Percentage Glycol	%	ASTM D3321*	50	<b>54.8</b>	---	---
Freezing Point	°C	ASTM D3321*	-40	<b>-43</b>	---	---
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>18</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>15</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>2</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>7059</b>	---	---
Potassium	ppm	ASTM D5185(m)		<b>390</b>	---	---
Coolant Color		Visual*	Orange/R	<b>Pink</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0278710  
**Lab Number** : 02630806  
**Unique Number** : 5763938  
**Test Package** : COOL ( Additional Tests: GlycolType )

**Received** : 22 Apr 2024  
**Tested** : 23 Apr 2024  
**Diagnosed** : 23 Apr 2024 - Kevin Marson

**Industrial Metals**  
 550 Messier St.  
 Winnipeg, MB  
 CA R2J 0G5  
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

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F: