



# LIEBHERR

## COOLANT REPORT

CORROSION	<b>NORMAL</b>
CONTAMINANTS	<b>NORMAL</b>
COOLANT CONDITION	<b>NORMAL</b>



Machine Id  
**LIEBHERR HS8100 184947**  
Component  
**Coolant**  
Fluid  
**EXTENDED LIFE COOLANT (--- GAL)**

### RECOMMENDATION

The fluid is suitable for further service. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0296494</b>	LH0278872	---
Sample Date		Client Info		<b>28 Jun 2024</b>	26 Jan 2024	---
Machine Age	hrs	Client Info		<b>0</b>	15056	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	<b>2</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>2</b>	2	---
Copper	ppm	ASTM D5185(m)	>10	<b>0</b>	1	---
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	1	---
Zinc	ppm	ASTM D5185(m)	>10	<b>1</b>	1	---

### CONTAMINANTS

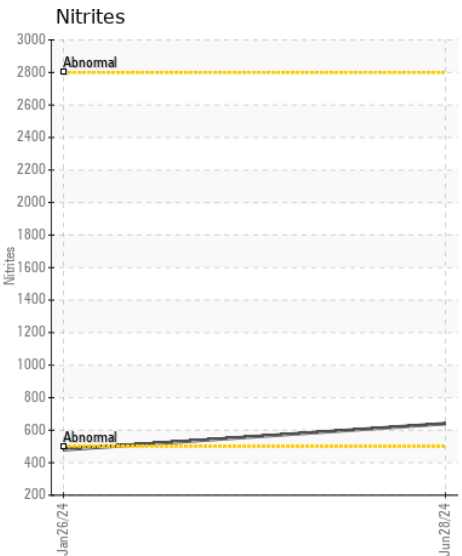
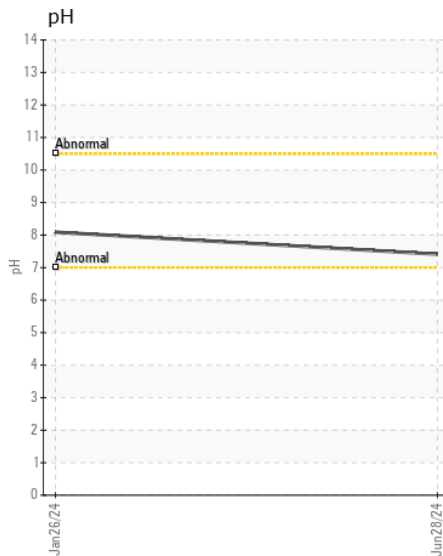
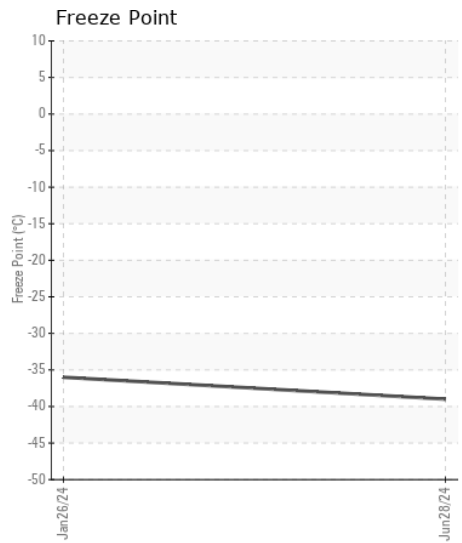
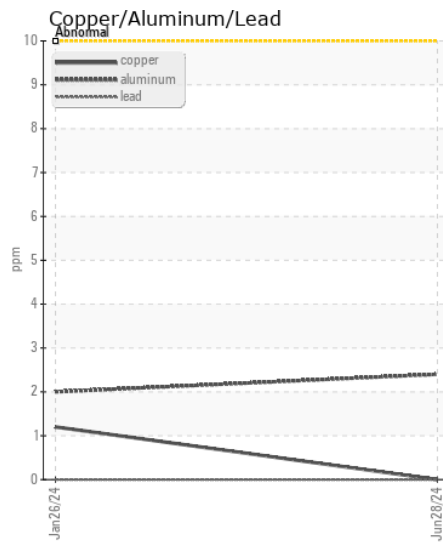
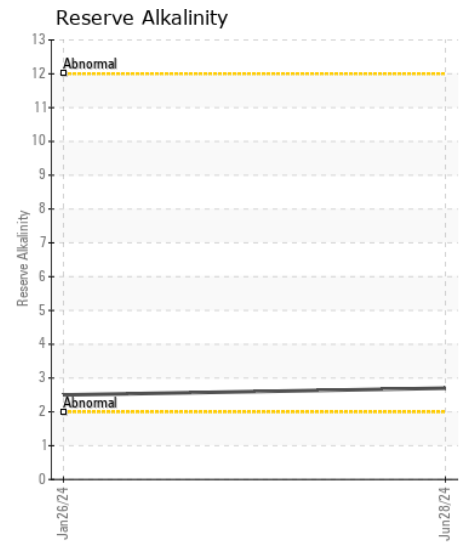
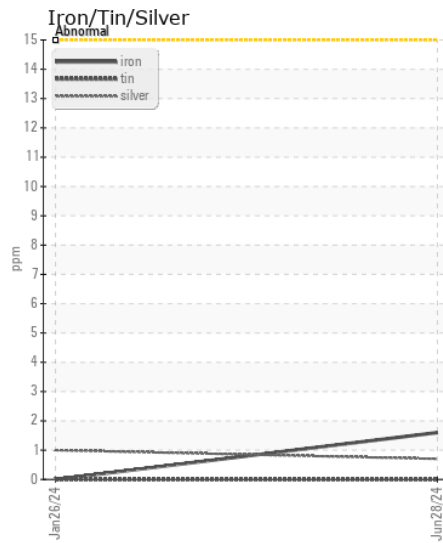
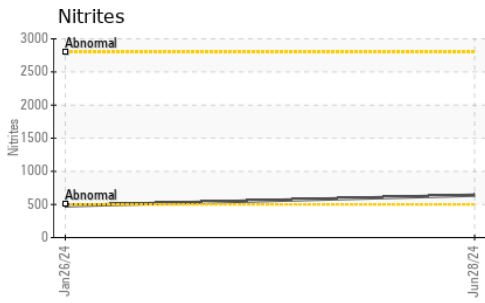
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>13</b>	8	---
Magnesium	ppm	ASTM D5185(m)	>40	<b>4</b>	1	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Coolant Appearance		Visual*	Clear	<b>Clear</b>	Clear	---

### COOLANT CONDITION

The nitrite level is acceptable. 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>	107	---
Specific Gravity		ASTM D1298*		<b>1.069</b>	1.067	---
pH	Scale 0-14	ASTM D1287*	9.0	<b>7.41</b>	8.09	---
Nitrites	ppm	Alcan Test Kit*		<b>640</b>	480	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>2.7</b>	2.5	---
Percentage Glycol	%	ASTM D3321*	50	<b>51.6</b>	49.9	---
Freezing Point	°C	ASTM D3321*	-40	<b>-39</b>	-36	---
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>21</b>	4	---
Phosphorus	ppm	ASTM D5185(m)		<b>9</b>	5	---
Boron	ppm	ASTM D5185(m)		<b>23</b>	4	---
Molybdenum	ppm	ASTM D5185(m)		<b>414</b>	479	---
Sodium	ppm	ASTM D5185(m)		<b>5782</b>	4694	---
Potassium	ppm	ASTM D5185(m)		<b>45</b>	0	---
Coolant Color		Visual*	Orange/R	<b>Pink</b>	Red	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0296494 **Received** : 02 Jul 2024  
**Lab Number** : 02645053 **Tested** : 04 Jul 2024  
**Unique Number** : 5802592 **Diagnosed** : 04 Jul 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType )

**HIGGS & HIGGS**  
 RR # 4  
 ST THOMAS, ON  
 CA N5P 3S8  
 Contact: Bernie Higgs

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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