



LIEBHERR

COOLANT REPORT

CORROSION

NORMAL

CONTAMINANTS

SEVERE

COOLANT CONDITION

NORMAL



Machine Id
LIEBHERR HS895 188297

Component
Coolant

Fluid
EXTENDED LIFE COOLANT (--- GAL)

RECOMMENDATION

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0295143	---	---
Sample Date		Client Info		18 Jun 2024	---	---
Machine Age	hrs	Client Info		16385	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---

CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	0	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	---	---
Copper	ppm	ASTM D5185(m)	>10	7	---	---
Lead	ppm	ASTM D5185(m)	>10	1	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Silver	ppm	ASTM D5185(m)	>10	0	---	---
Zinc	ppm	ASTM D5185(m)	>10	3	---	---

CONTAMINANTS

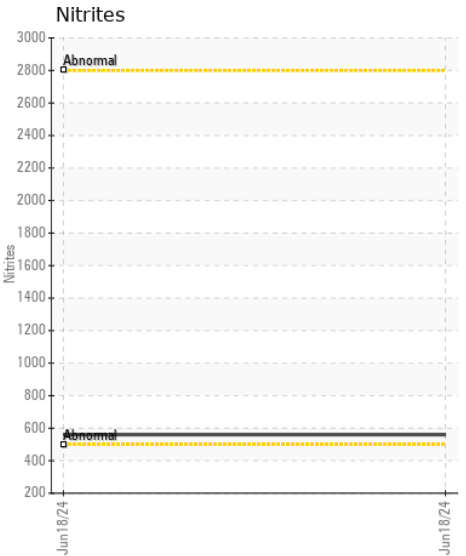
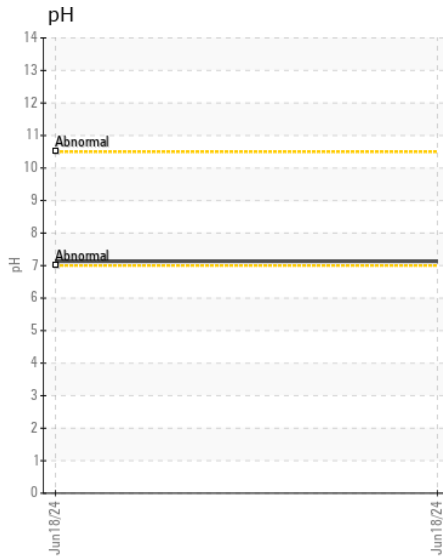
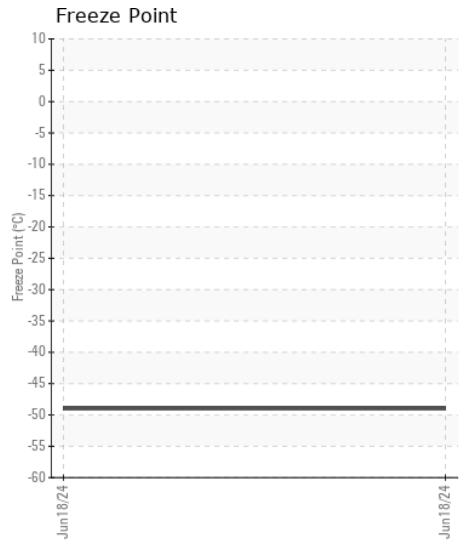
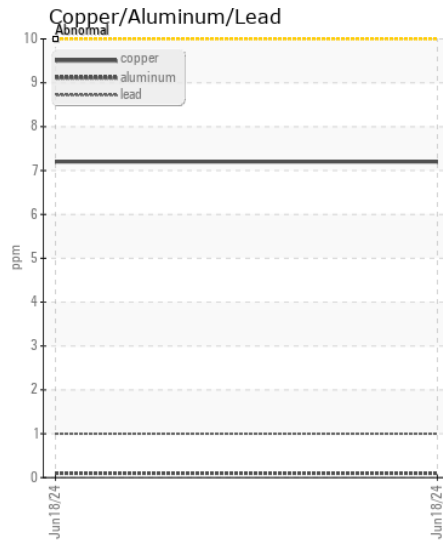
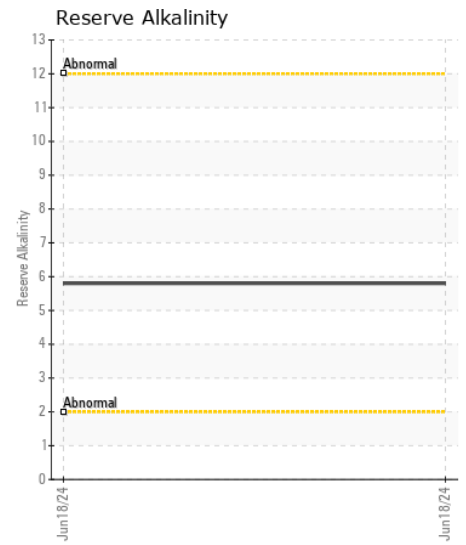
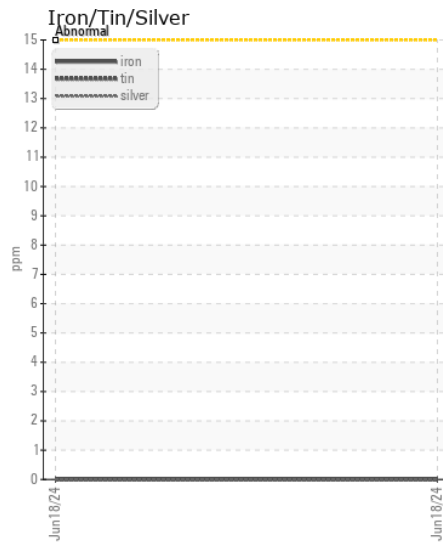
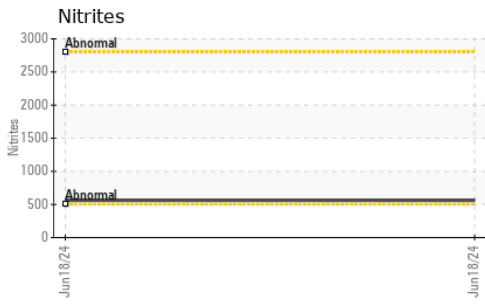
Hardness is critically elevated. Elevated hardness can allow scale formation that will reduce cooling system effectiveness.

Calcium	ppm	ASTM D5185(m)	>100	32	---	---
Magnesium	ppm	ASTM D5185(m)	>40	9	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Coolant Appearance		Visual*	Clear	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*		110	---	---
Specific Gravity		ASTM D1298*		1.080	---	---
pH	Scale 0-14	ASTM D1287*	9.0	7.13	---	---
Nitrites	ppm	Alcan Test Kit*		560	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		5.8	---	---
Percentage Glycol	%	ASTM D3321*	50	60.8	---	---
Freezing Point	°C	ASTM D3321*	-40	-49	---	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		27	---	---
Phosphorus	ppm	ASTM D5185(m)		17	---	---
Boron	ppm	ASTM D5185(m)		132	---	---
Molybdenum	ppm	ASTM D5185(m)		16	---	---
Sodium	ppm	ASTM D5185(m)		6594	---	---
Potassium	ppm	ASTM D5185(m)		436	---	---
Coolant Color		Visual*	Orange/R	Pink	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0295143
Lab Number : 02644245
Unique Number : 5801784
Test Package : COOL (Additional Tests: GlycolType)

Received : 26 Jun 2024
Tested : 27 Jun 2024
Diagnosed : 27 Jun 2024 - Kevin Marson

Harbour Development
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 St John, NB
 CA E2J 4Y8
 Contact: Darien Edison
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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: