



Machine Id  
**76110**  
Component  
**Coolant**  
Fluid  
**CONVENTIONAL COOLANT (--- GAL)**

**RECOMMENDATION**

We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's recommendations. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0083612</b>	PC0075814	PC0060316
Sample Date		Client Info		<b>19 Feb 2024</b>	14 Jun 2023	17 May 2022
Machine Age	hrs	Client Info		<b>859</b>	8154	7744
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	ABNORMAL

**CORROSION**

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

Iron	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	1
Aluminum	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	▲ 12
Copper	ppm	ASTM D5185(m)	>10	<b>0</b>	2	1
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	1
Zinc	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	7

**CONTAMINANTS**

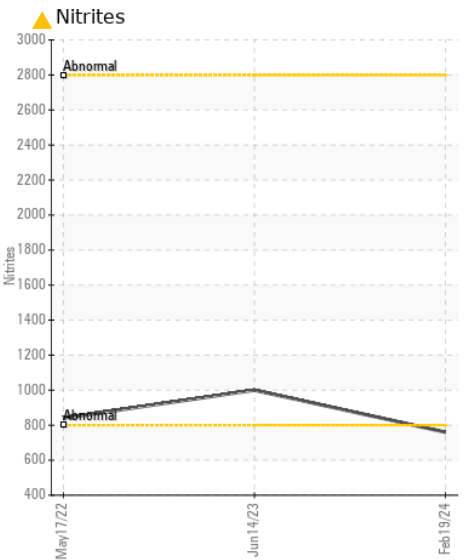
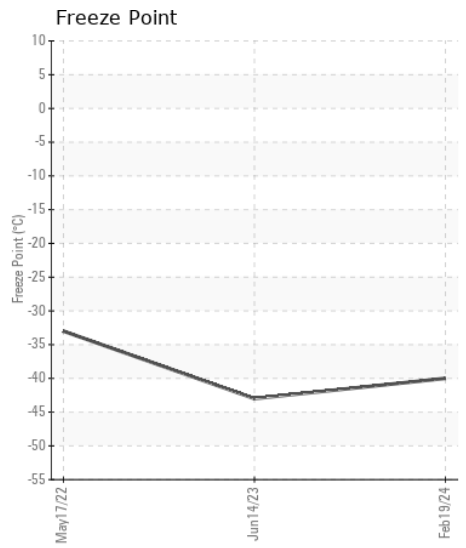
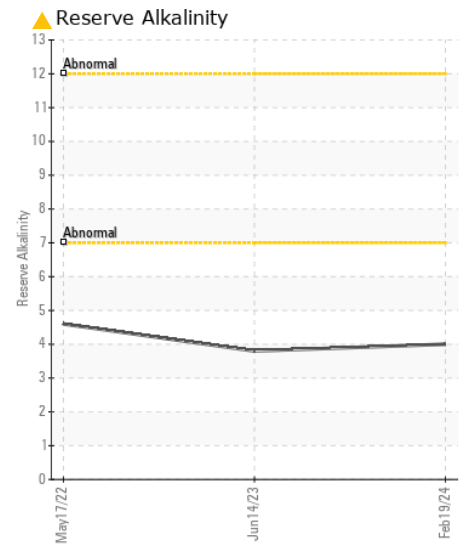
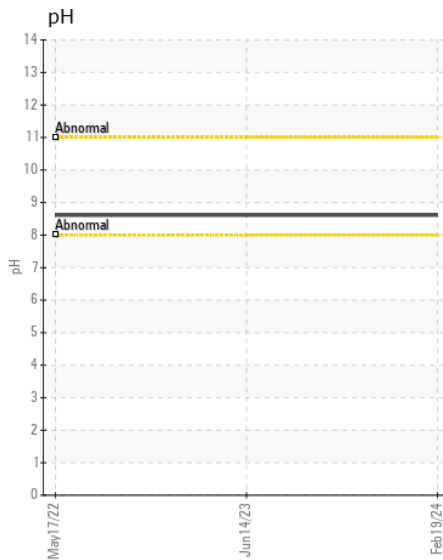
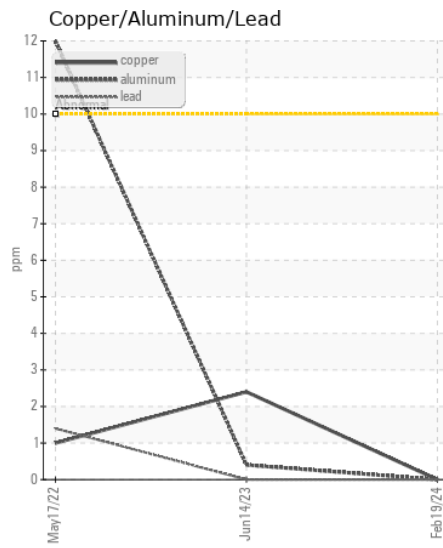
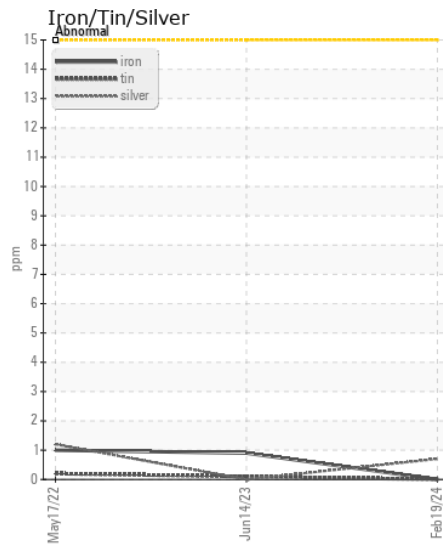
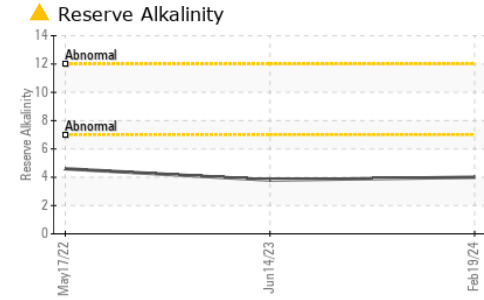
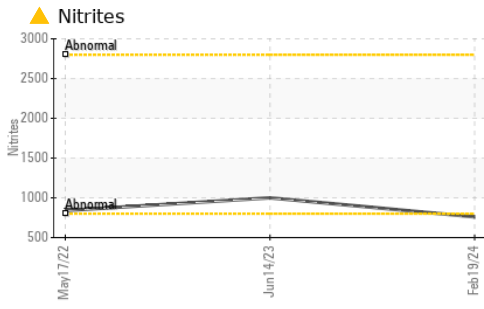
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>2</b>	3	11
Magnesium	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	3
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Coolant Appearance		Visual*	Clear	<b>Clear</b>	Clear	Clear

**COOLANT CONDITION**

The reserve alkalinity of this fluid is lower than acceptable. The low nitrite level indicates reduced cavitation protection which leads to corrosion and ammonia formation. The pH level of this fluid is within the acceptable limits.

Specific Gravity		ASTM D1298*		<b>1.070</b>	1.072	1.067
pH	Scale 0-14	ASTM D1287*	9.5	<b>8.61</b>	8.61	8.61
Nitrites	ppm	Alcan Test Kit*	1500	▲ <b>760</b>	1000	840
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	▲ <b>4.0</b>	3.8	4.6
Percentage Glycol	%	ASTM D3321*	50	<b>52.6</b>	53.8	49.3
Freezing Point	°C	ASTM D3321*	-40	<b>-40</b>	-43	-33
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>17</b>	22	7
Phosphorus	ppm	ASTM D5185(m)		<b>296</b>	421	4
Boron	ppm	ASTM D5185(m)		<b>251</b>	256	11
Molybdenum	ppm	ASTM D5185(m)		<b>9</b>	10	711
Sodium	ppm	ASTM D5185(m)		<b>1828</b>	1309	2381
Potassium	ppm	ASTM D5185(m)		<b>1384</b>	1185	9
Coolant Color		Visual*	Green	<b>Green</b>	Green	Orange



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

**Sample No.** : PC0083612

**Lab Number** : 02616803

**Unique Number** : 5733913

**Test Package** : COOL ( Additional Tests: GlycolType )

**Received** : 20 Feb 2024

**Tested** : 22 Feb 2024

**Diagnosed** : 22 Feb 2024 - Kevin Marson

**LES ENTREPRISES MICHAUDVILLE INC.**

270 RUE BRUNET

MONT ST-HILAIRE, QC

CA J3H 0M6

Contact: Martin Trudel

mtrudel@michaudville.com

T:

F:

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.