



Machine Id

**5507**

Component

**Coolant**

Fluid

**CONVENTIONAL COOLANT (--- LTR)**

**RECOMMENDATION**

We recommend drain system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's specifications. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0083755</b>	---	---
Sample Date		Client Info		<b>14 Apr 2024</b>	---	---
Machine Age	hrs	Client Info		<b>1678</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</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>6</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**

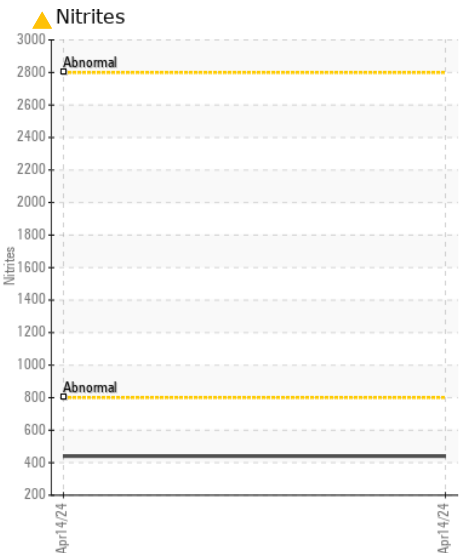
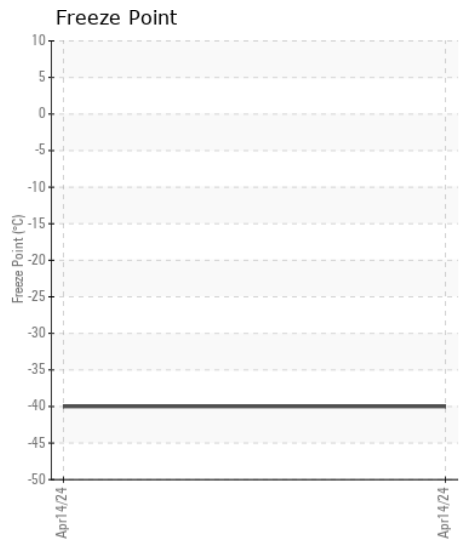
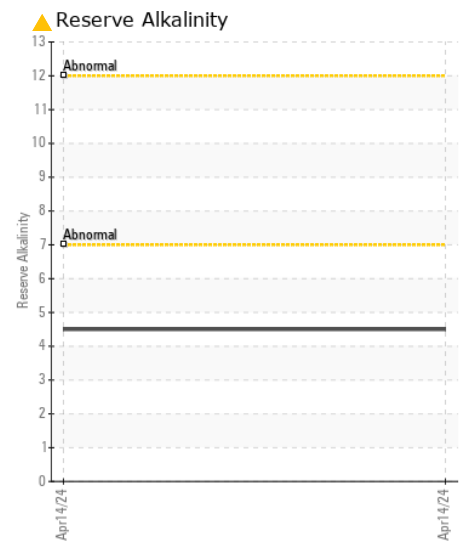
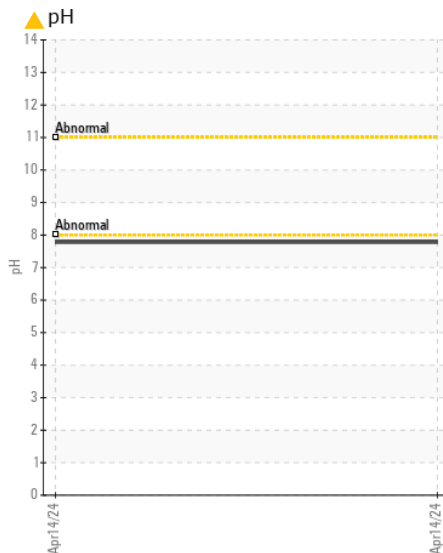
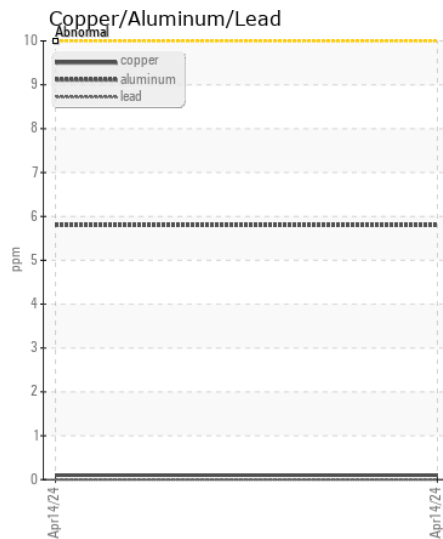
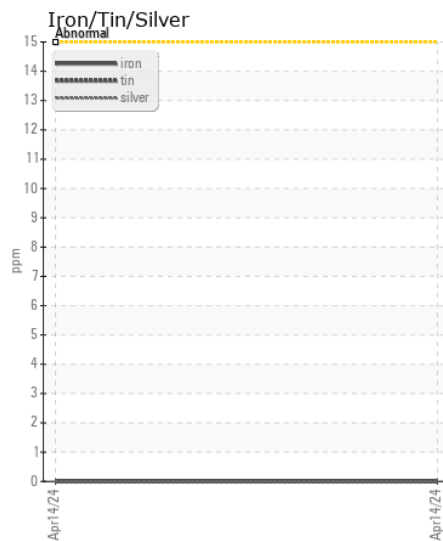
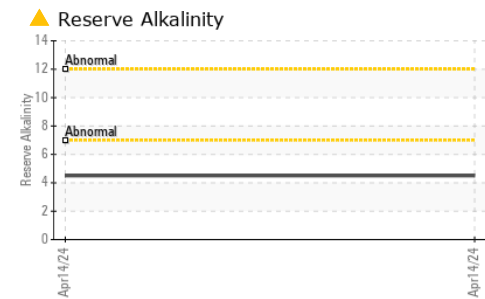
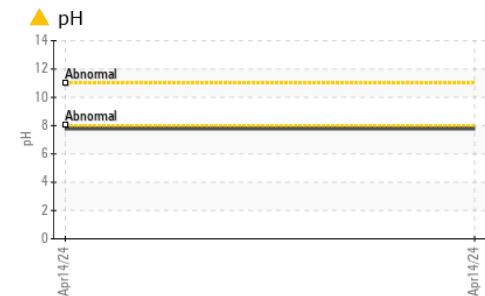
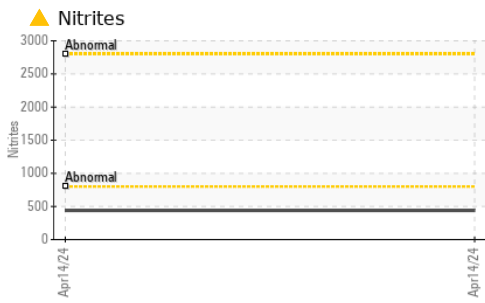
There is no indication of any contamination in the coolant.

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

**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 is low which causes rust formation.

Boiling Point	°C	WC Method*		<b>108</b>	---	---
Specific Gravity		ASTM D1298*		<b>1.070</b>	---	---
pH	Scale 0-14	ASTM D1287*	9.5	<b>▲ 7.78</b>	---	---
Nitrites	ppm	Alcan Test Kit*	1500	<b>▲ 440</b>	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	<b>▲ 4.5</b>	---	---
Percentage Glycol	%	ASTM D3321*	50	<b>52.0</b>	---	---
Freezing Point	°C	ASTM D3321*	-40	<b>-40</b>	---	---
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>34</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>546</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>160</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>487</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>4424</b>	---	---
Potassium	ppm	ASTM D5185(m)		<b>2746</b>	---	---
Coolant Color		Visual*	Green	<b>---</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0083755  
**Lab Number** : 02629040  
**Unique Number** : 5762172  
**Test Package** : COOL ( Additional Tests: GlycolType )

**LES ENTREPRISES MICHAUDVILLE INC.**  
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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: