



**POWER SYSTEMS**  
**SYSTÈMES DE PUISSANCE**

**COOLANT REPORT**

**CORROSION**

**NORMAL**

**CONTAMINANTS**

**NORMAL**

**COOLANT CONDITION**

**NORMAL**

Area

**HALIFAX REGIONAL - DARTMOUTH SEWER TREAT [6100287061]**

Machine Id

**MTU DIESEL 5362003436**

Component

**Coolant**

Fluid

**DETROIT DIESEL POWER COOL (102 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WA0020219</b>	WA0012726	WA0015313
Sample Date		Client Info		<b>10 Jun 2024</b>	07 Nov 2022	23 Jun 2021
Machine Age	hrs	Client Info		<b>0</b>	605	500
Oil Age	hrs	Client Info		<b>0</b>	0	25
Oil Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**CORROSION**

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

Iron	ppm	ASTM D5185(m)	>15	<b>11</b>	11	6
Aluminum	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>10	<b>0</b>	2	<1
Lead	ppm	ASTM D5185(m)	>10	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>10	<b>1</b>	<1	0
Zinc	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	1	<1

**CONTAMINANTS**

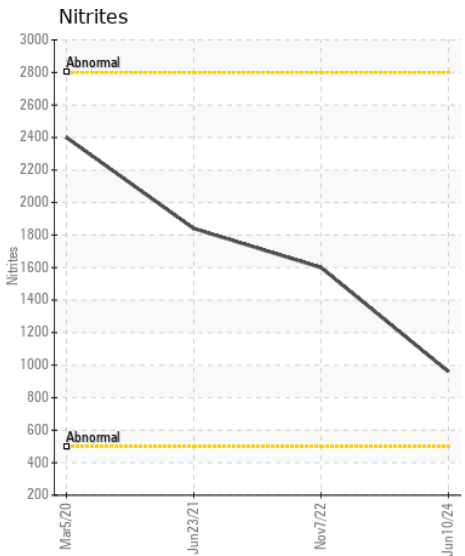
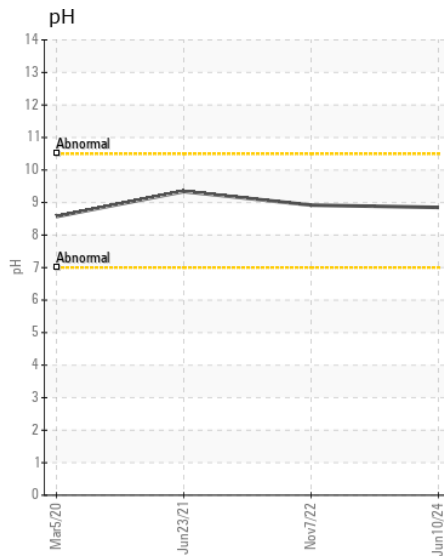
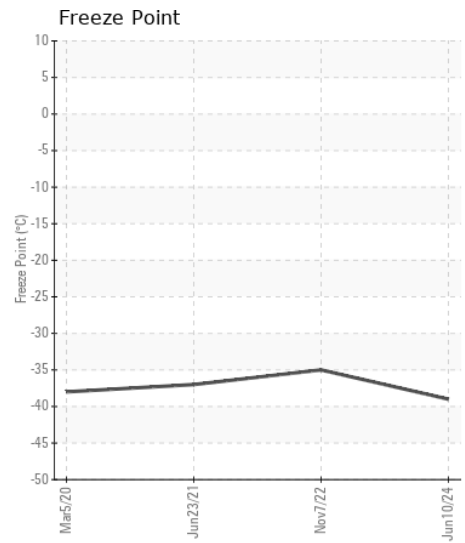
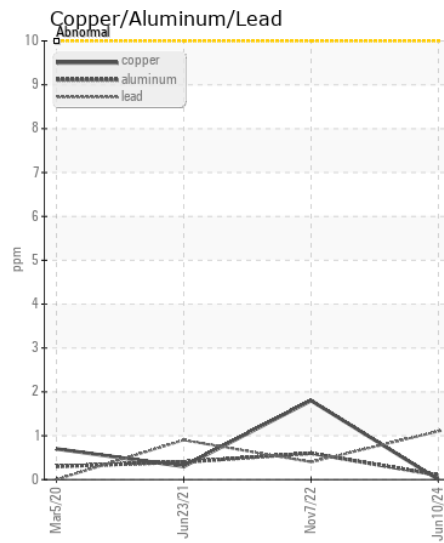
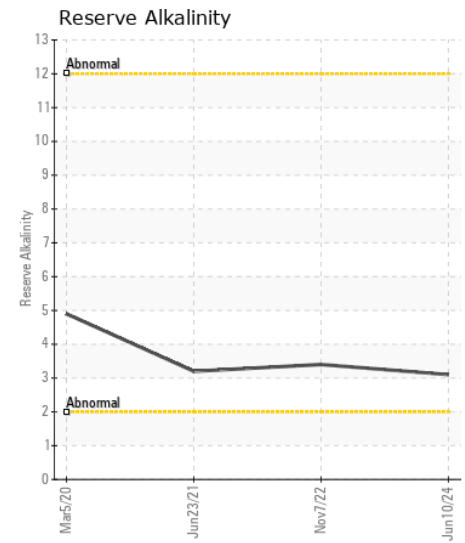
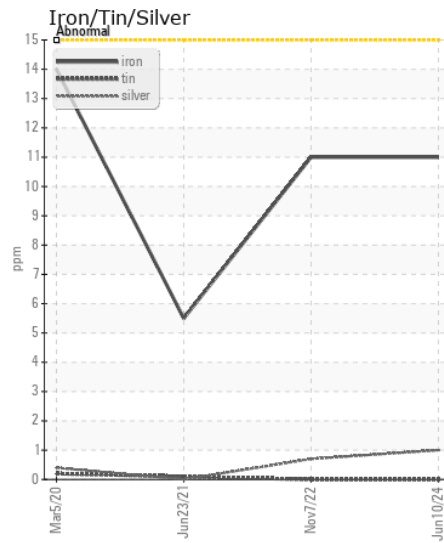
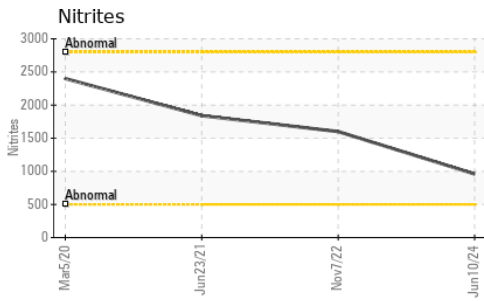
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>1</b>	3	2
Magnesium	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	1
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 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>1.069</b>	1.068	1.067
pH	Scale 0-14	ASTM D1287*	9.5	<b>8.85</b>	8.92	9.34
Nitrites	ppm	Alcan Test Kit*	500	<b>960</b>	1600	1840
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>3.1</b>	3.4	3.2
Percentage Glycol	%	ASTM D3321*	50	<b>51.1</b>	50.3	50.0
Freezing Point	°C	ASTM D3321*	-40	<b>-39</b>	-35	-37
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)	150	<b>39</b>	41	43
Phosphorus	ppm	ASTM D5185(m)	0	<b>21</b>	22	20
Boron	ppm	ASTM D5185(m)	300	<b>304</b>	340	311
Molybdenum	ppm	ASTM D5185(m)		<b>2</b>	2	1
Sodium	ppm	ASTM D5185(m)		<b>2243</b>	1925	1778
Potassium	ppm	ASTM D5185(m)		<b>19</b>	23	5
Coolant Color		Visual*	Pink	<b>Pink</b>	Pink	Pink



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0020219 **Received** : 17 Jun 2024  
**Lab Number** : 02642425 **Tested** : 20 Jun 2024  
**Unique Number** : 5799964 **Diagnosed** : 21 Jun 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType )

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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