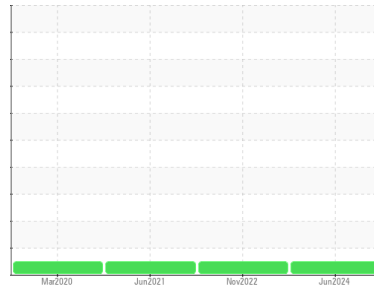


COOLANT REPORT

Sample Rating Trend



NORMAL



Area
HALIFAX REGIONAL - DARTMOUTH SEWER TREAT [6100287061]
Machine Id
MTU DIESEL 5362003436
Component
Coolant
Fluid
DETROIT DIESEL POWER COOL (102 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Corrosion

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

Contaminants

There is no indication of any contamination in the coolant.

Coolant Condition

The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WA0020219	WA0012726	WA0015313
Sample Date	Client Info			10 Jun 2024	07 Nov 2022	23 Jun 2021
Machine Age	hrs	Client Info		0	605	500
Oil Age	hrs	Client Info		0	0	25
Oil Changed	Client Info			N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Glycol Type	FT-IR			UNK	---	---
Specific Gravity	ASTM D1298*			1.069	1.068	1.067
pH	Scale 0-14	ASTM D1287*	9.5	8.85	8.92	9.34
Nitrites	ppm	Alcan Test Kit*	500	960	1600	1840
Reserve Alkalinity	Scale 0-20	ASTM D1121*		3.1	3.4	3.2
Percentage Glycol	%	ASTM D3321*	50	51.1	50.3	50.0
Freezing Point	°C	ASTM D3321*	-40	-39	-35	-37
Carboxylate				---	---	---

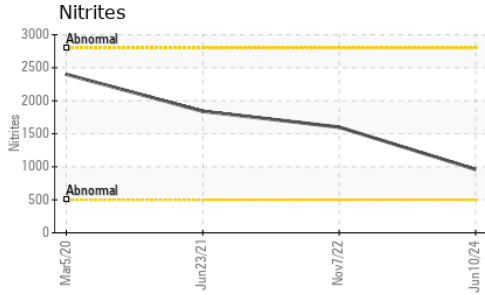
CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	150	39	41	43
Phosphorus	ppm	ASTM D5185(m)	0	21	22	20
Boron	ppm	ASTM D5185(m)	300	304	340	311
Molybdenum	ppm	ASTM D5185(m)		2	2	1

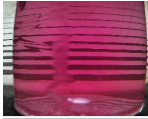





CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	11	11	6
Aluminum	ppm	ASTM D5185(m)	>10	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>10	0	2	<1
Lead	ppm	ASTM D5185(m)	>10	1	<1	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	<1
Silver	ppm	ASTM D5185(m)	>10	1	<1	0
Zinc	ppm	ASTM D5185(m)		<1	1	<1

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		2243	1925	1778
Potassium	ppm	ASTM D5185(m)		19	23	5

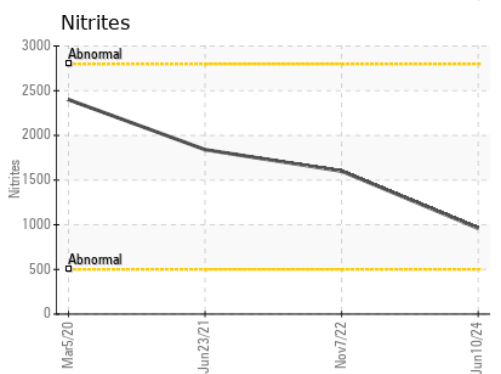
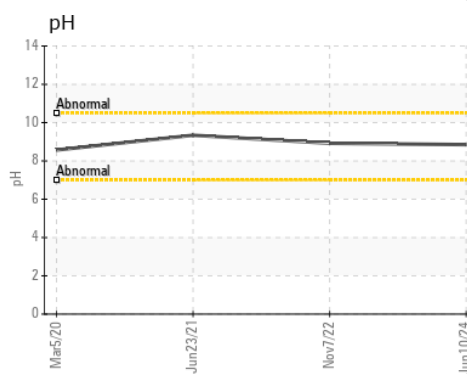
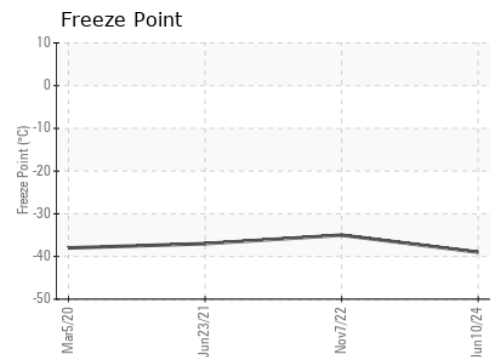
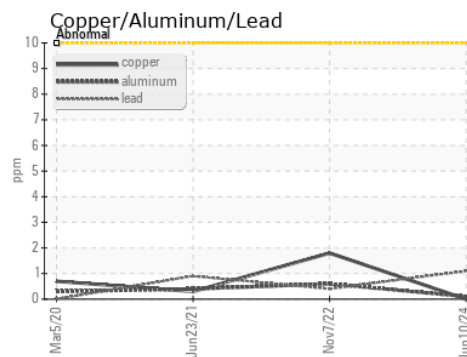
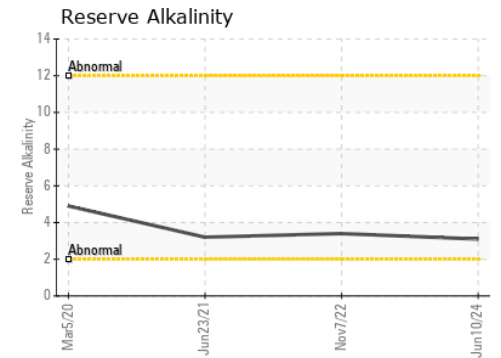
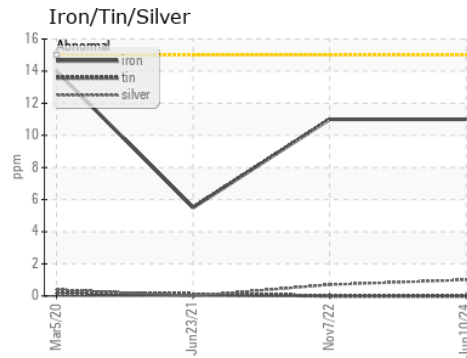
SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	1	3	2
Magnesium	ppm	ASTM D5185(m)	>40	<1	<1	1
Hardness	mg/L CaCO3	In-house*	<75	5	12	---

COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	Visual*	Pink	Pink	Pink	Pink
Coolant Appearance	Visual*	Clear	Clear	Clear	Clear
Color					
Bottom					

GRAPHS



ISO 17025:2017
Accredited
Laboratory

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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