



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

COOLANT REPORT

CORROSION

ABNORMAL

CONTAMINANTS

NORMAL

COOLANT CONDITION

NORMAL

Area

ISMAILI CENTRE TORONTO [296649]

Machine Id

00322381

Component

Coolant

Fluid

{not provided} (--- GAL)

RECOMMENDATION

The coolant change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0021501	WA0017862	---
Sample Date		Client Info		25 Jun 2024	09 May 2022	---
Machine Age	hrs	Client Info		136	120	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Sample Status				ABNORMAL	ABNORMAL	---

CORROSION

Copper and lead ppm levels are abnormal. The high metal levels indicate corrosion in the system.

Iron	ppm	ASTM D5185(m)	>15	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	2	---
Copper	ppm	ASTM D5185(m)	>10	▲ 22	▲ 20	---
Lead	ppm	ASTM D5185(m)	>10	▲ 16	▲ 16	---
Tin	ppm	ASTM D5185(m)	>10	0	<1	---
Silver	ppm	ASTM D5185(m)	>10	0	<1	---
Zinc	ppm	ASTM D5185(m)	>10	1	3	---

CONTAMINANTS

There is no indication of any contamination in the coolant.

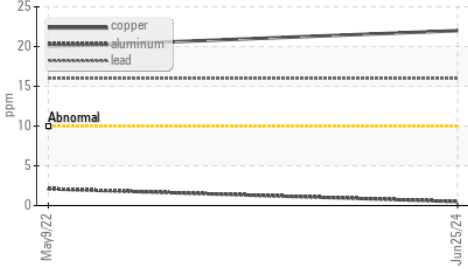
Calcium	ppm	ASTM D5185(m)	>100	<1	2	---
Magnesium	ppm	ASTM D5185(m)	>40	<1	<1	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Coolant Appearance		Visual*	Clear	Clear	Clear	---

COOLANT CONDITION

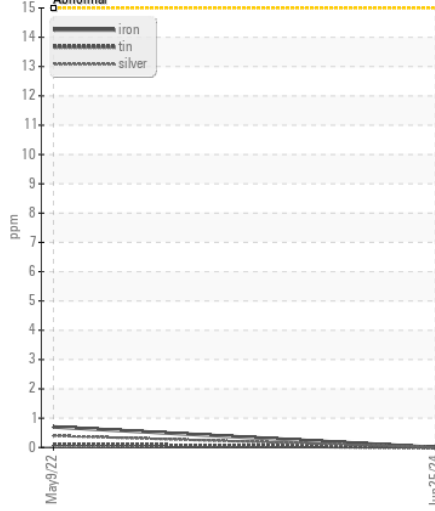
The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits.

Boiling Point	°C	WC Method*		107	---	---
Specific Gravity		ASTM D1298*		1.068	1.068	---
pH	Scale 0-14	ASTM D1287*		9.53	9.69	---
Nitrites	ppm	Alcan Test Kit*		1440	1560	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		4.0	4.1	---
Percentage Glycol	%	ASTM D3321*		50.5	50.3	---
Freezing Point	°C	ASTM D3321*		-37	-35	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		30	30	---
Phosphorus	ppm	ASTM D5185(m)		113	139	---
Boron	ppm	ASTM D5185(m)		70	73	---
Molybdenum	ppm	ASTM D5185(m)		41	53	---
Sodium	ppm	ASTM D5185(m)		1180	1057	---
Potassium	ppm	ASTM D5185(m)		636	699	---
Coolant Color		Visual*		Green	Green	---

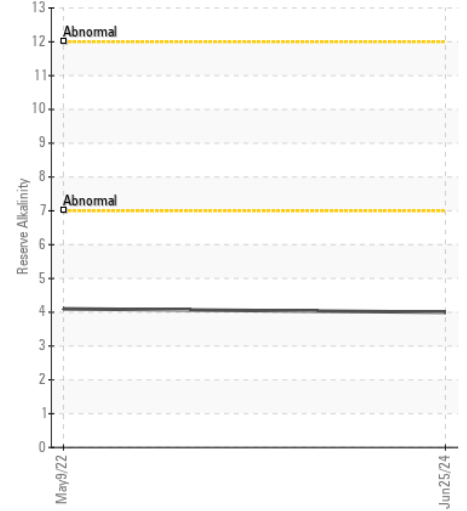
▲ Copper/Aluminum/Lead



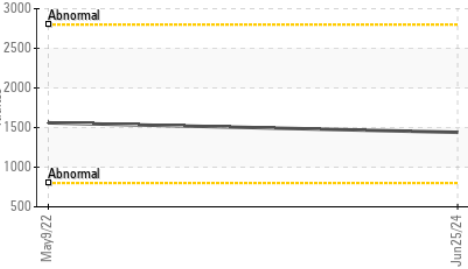
Iron/Tin/Silver



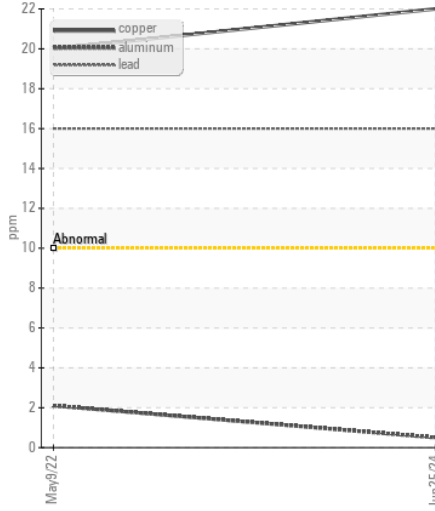
Reserve Alkalinity



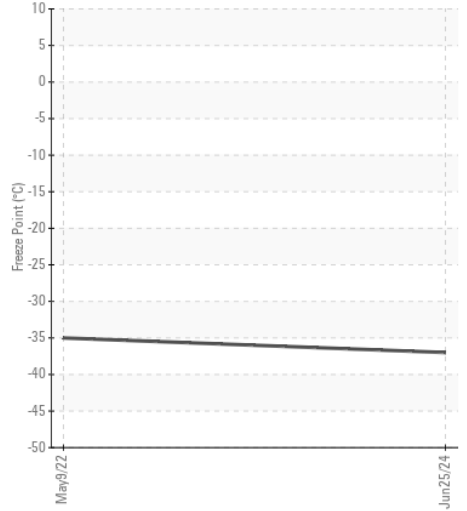
Nitrites



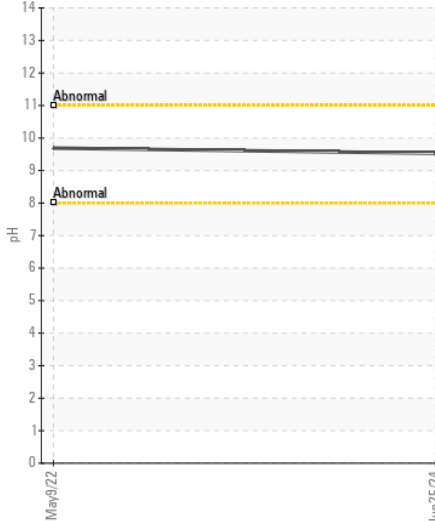
▲ Copper/Aluminum/Lead



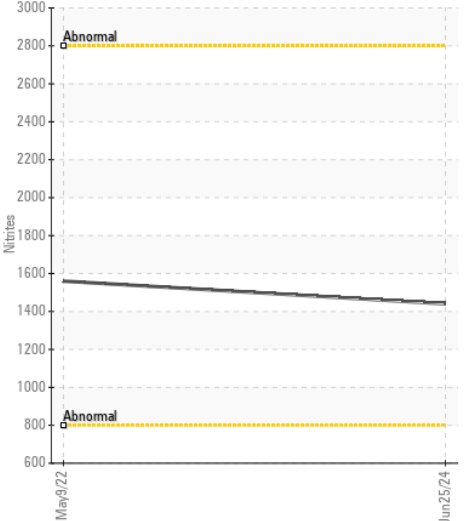
Freeze Point



pH



Nitrites



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021501 **Received** : 03 Jul 2024
Lab Number : 02645331 **Tested** : 05 Jul 2024
Unique Number : 5802870 **Diagnosed** : 05 Jul 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType)

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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.