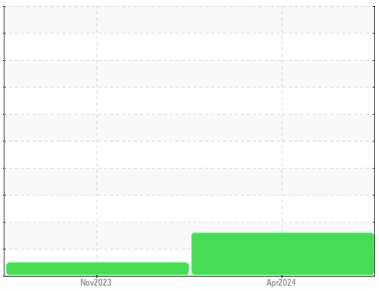
COOLANT REPORT

Sample Rating Trend



APPEARANCE

Machine Id
OR1110
Component
Coolant
Fluid
EXTENDED LIFE COOLANT (--- GAL)

DIAGNOSIS

Recommendation
Nous recommandons la vidange du système et le remplissage avec un mélange 50/50 d'antigel longue durée et d'eau. Échantillonner de nouveau l`équipement au prochain intervalle de vidange afin d`en surveiller la condition.

Corrosion
Les concentrations de tous les métaux sont normales indiquant qu'il n'y a pas de corrosion dans le système de refroidissement.

Contaminants
Il n`y a aucune indication de contamination dans le composant (non confirmée).

Coolant Condition
The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. Le niveau de nitrite est acceptable. Le niveau de pH de ce fluide est dans les limites acceptables. La réserve d`alcalinité de ce fluide est acceptable.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**GFL0118312**	GFL0056276	---
Sample Date		Client Info		**29 Apr 2024**	13 Nov 2023	---
Machine Age	hrs	Client Info		**5064**	5062	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**N/A**	N/A	---
Sample Status				**ABNORMAL**	NORMAL	---

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Glycol Type		FT-IR		**UNK**	---	---
Specific Gravity		ASTM D1298*		**1.067**	1.068	---
pH	Scale 0-14	ASTM D1287*	9.0	**8.90**	8.39	---
Nitrites	ppm	Alcan Test Kit*		**520**	1080	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		**6.6**	2.2	---
Percentage Glycol	%	ASTM D3321*	50	**49.9**	50.1	---
Freezing Point	°C	ASTM D3321*	-40	**-36**	-35	---
Carboxylate				**---**	---	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		**26**	16	---
Phosphorus	ppm	ASTM D5185(m)		**133**	148	---
Boron	ppm	ASTM D5185(m)		**63**	22	---
Molybdenum	ppm	ASTM D5185(m)		**135**	400	---

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	**13**	8	---
Aluminum	ppm	ASTM D5185(m)	>10	**2**	5	---
Copper	ppm	ASTM D5185(m)	>10	**2**	0	---
Lead	ppm	ASTM D5185(m)	>10	**8**	5	---
Tin	ppm	ASTM D5185(m)	>10	**3**	1	---
Silver	ppm	ASTM D5185(m)	>10	**<1**	<1	---
Zinc	ppm	ASTM D5185(m)		**5**	0	---

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		**5868**	10560	---
Potassium	ppm	ASTM D5185(m)		**792**	844	---

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	**9**	3	---
Magnesium	ppm	ASTM D5185(m)	>40	**3**	4	---
Hardness	mg/L CaCO3	In-house*	<75	**32**	22	---

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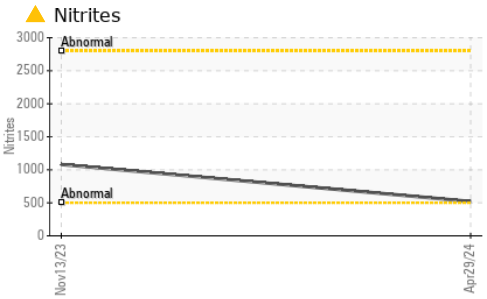
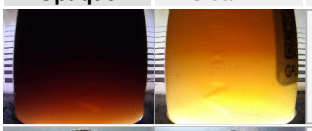
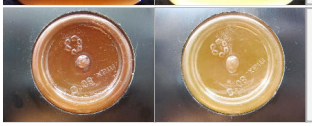
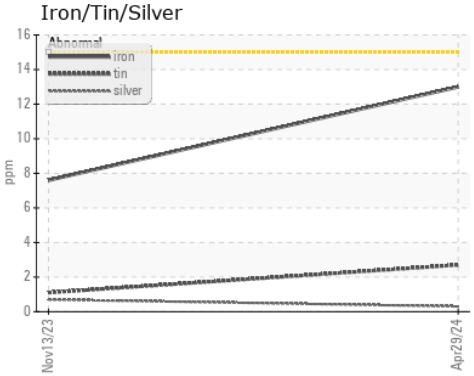


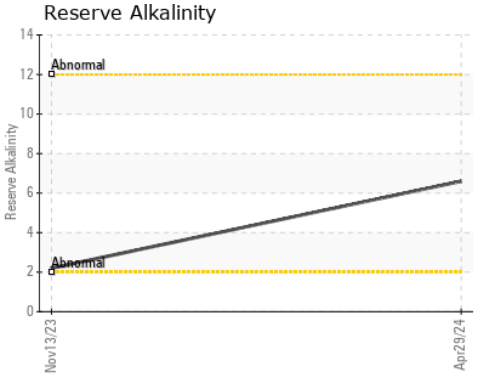
VISUAL		method	limit/base	current	history1	history2
Coolant Color		Visual*	Orange/R	**Orange**	Yellow	---
Coolant Appearance		Visual*	Clear	▲ **Opaque**	Clear	---
Color						no image
Bottom						no image

GRAPHS

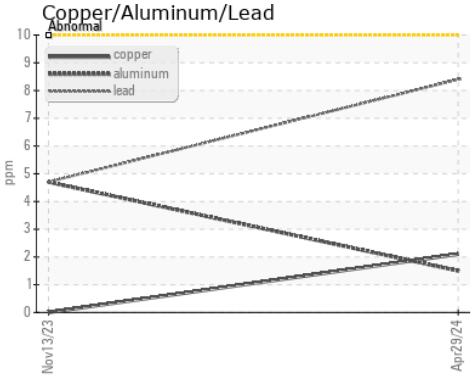
Iron/Tin/Silver



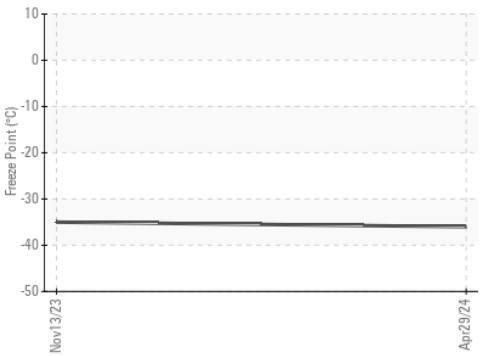
Reserve Alkalinity



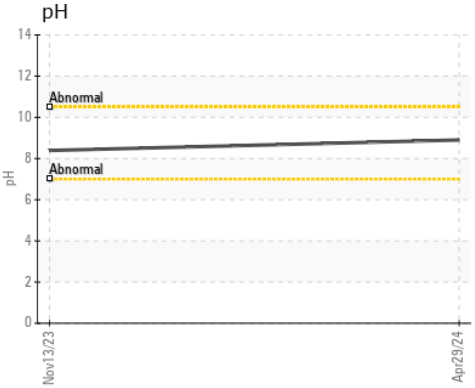
Copper/Aluminum/Lead



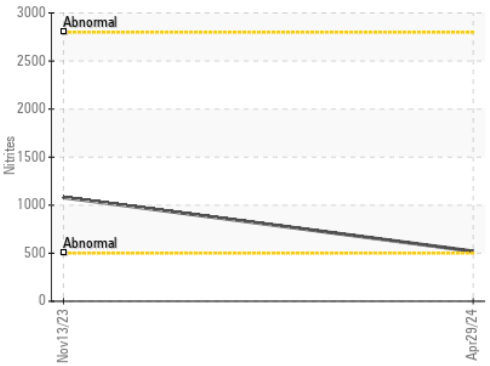
Freeze Point



pH



Nitrites



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0118312
Lab Number : 02632950
Unique Number : 5774103
Test Package : COOL (Additional Tests: GlycolType)

Received : 02 May 2024
Tested : 03 May 2024
Diagnosed : 05 May 2024 - Kevin Marson

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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