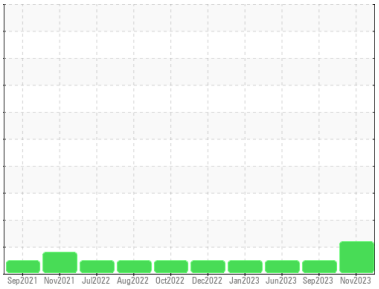
COOLANT REPORT

Sample Rating Trend



PH

Machine Id
OR483
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 aucun indice de contamination dans l`agent de refroidissement.

▲ Coolant Condition

Le niveau de nitrite est acceptable. Le pH est bas et peut entraîner la formation de rouille. La réserve d`alcalinité de ce fluide est acceptable.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**GFL0089225**	GFL0061620	GFL0061602
Sample Date		Client Info		**11 Nov 2023**	27 Sep 2023	12 Jun 2023
Machine Age	hrs	Client Info		**11770**	11453	10900
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ABNORMAL**	NORMAL	NORMAL

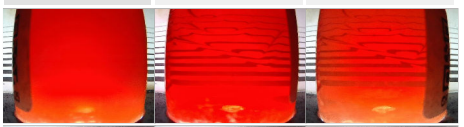
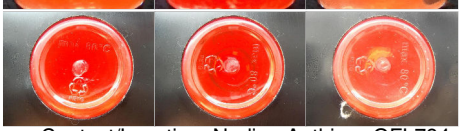
PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*		**1.071**	1.070	1.070
pH	Scale 0-14	ASTM D1287*	9.0	**▲ 6.88**	7.08	7.29
Nitrites	ppm	Alcan Test Kit*		**1600**	520	1000
Reserve Alkalinity	Scale 0-20	ASTM D1121*		**2.8**	3.3	3.5
Percentage Glycol	%	ASTM D3321*	50	**53.2**	52.6	52.5
Freezing Point	°C	ASTM D3321*	-40	**-43**	-40	-40
Carboxylate				**---**	---	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		**53**	64	78
Phosphorus	ppm	ASTM D5185(m)		**86**	66	98
Boron	ppm	ASTM D5185(m)		**438**	496	536
Molybdenum	ppm	ASTM D5185(m)		**157**	178	178

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	**2**	1	5
Aluminum	ppm	ASTM D5185(m)	>10	**2**	<1	2
Copper	ppm	ASTM D5185(m)	>10	**2**	3	6
Lead	ppm	ASTM D5185(m)	>10	**0**	0	<1
Tin	ppm	ASTM D5185(m)	>10	**0**	0	0
Silver	ppm	ASTM D5185(m)	>10	**<1**	<1	1
Zinc	ppm	ASTM D5185(m)		**2**	1	4

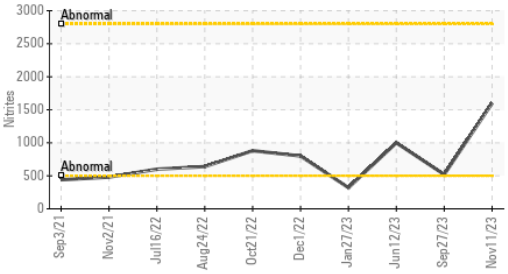
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		**7529**	6898	3567
Potassium	ppm	ASTM D5185(m)		**2270**	2200	1365

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	**6**	3	11
Magnesium	ppm	ASTM D5185(m)	>40	**2**	2	3
Hardness	mg/L CaCO3	In-house*	<75	**20**	16	40

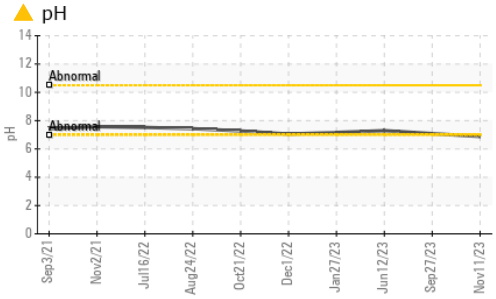
VISUAL		method	limit/base	current	history1	history2
Coolant Color		Visual*	Orange/R	**Red**	Orange	Red
Coolant Appearance		Visual*	Clear	**Clear**	Clear	Clear
Color						
Bottom						

COOLANT REPORT

Nitrites

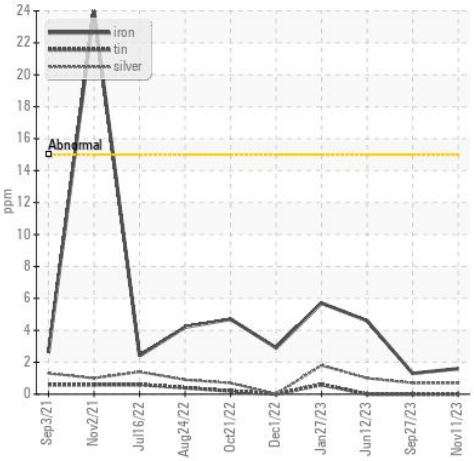


pH

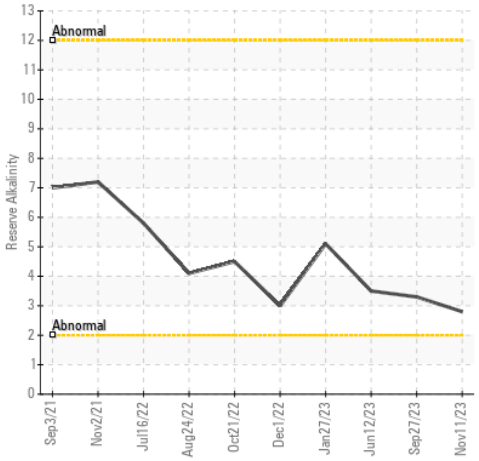


GRAPHS

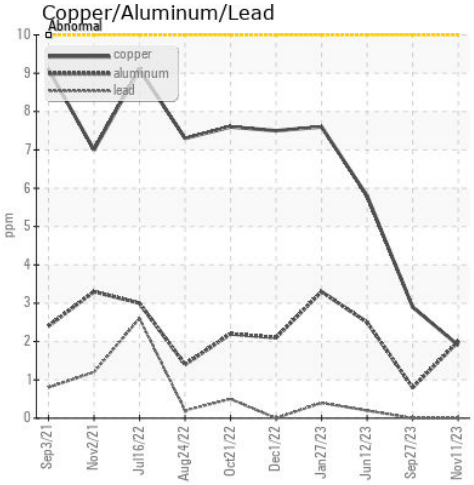
Iron/Tin/Silver



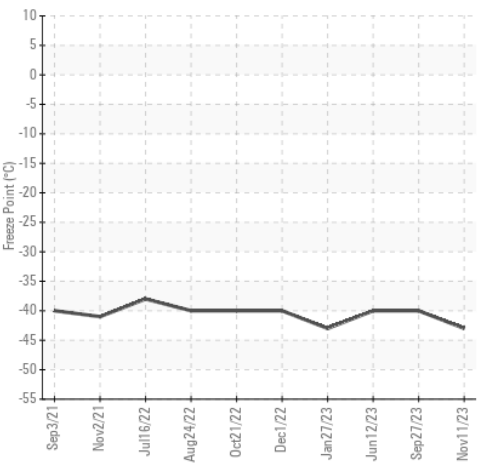
Reserve Alkalinity



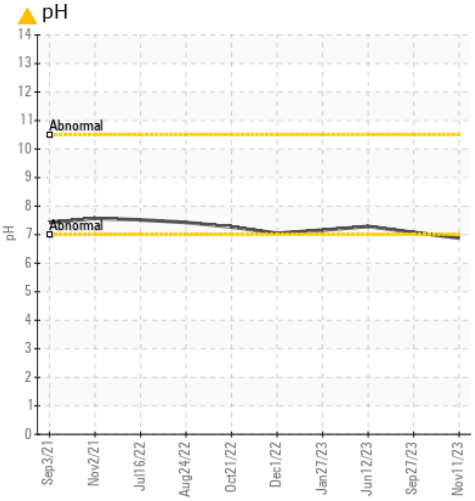
Copper/Aluminum/Lead



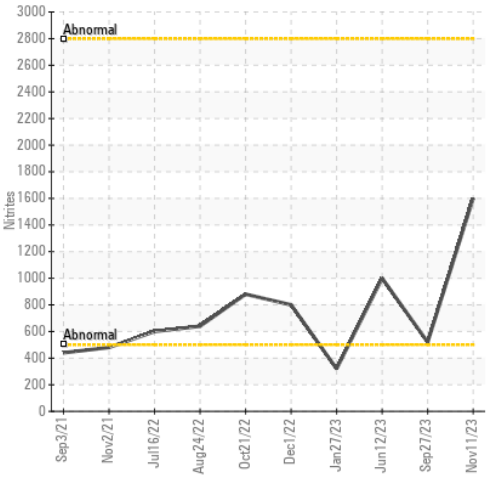
Freeze Point



pH



Nitrites



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9	**GFL Environmental - 784 - Saint-Hyacinthe**	
Sample No.	: GFL0089225	**Received**	: 15 Nov 2023
Lab Number	: 02596706	**Diagnosed**	: 16 Nov 2023
Unique Number	: 5681786	**Diagnostician**	: Kevin Marson
Test Package	: COOL		

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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.