

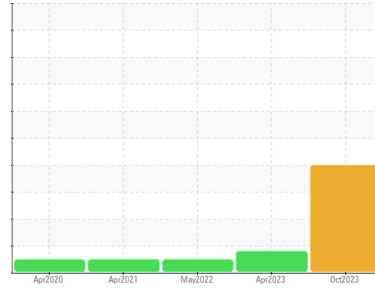
COOLANT REPORT

Sample Rating Trend

SCAS

Area
BGIS [213550]
Machine Id
GD10569

Component
Coolant
Fluid
CAT DIESEL ENGINE COOLANT (DEAC) (--- GAL)



DIAGNOSIS

Recommendation

Nous recommandons que vous vidangiez le système et que vous le remplissiez avec un mélange 50/50 eau/antigel. Nous vous conseillons de reconstituer les additifs refroidisseurs supplémentaires, (SCA - supplemental coolant additives) et d'en ajouter selon les indications du fabricant. 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

La réserve d'alcalinité de ce fluide est anormalement basse. Le bas niveau de nitrites indique une réduction de la protection contre la cavitation qui peut entraîner de la corrosion et la formation d'ammoniaque. Le pH est bas et peut entraîner la formation de rouille.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WA0020531	WA0019077	GD0005437
Sample Date	Client Info			17 Oct 2023	25 Apr 2023	10 May 2022
Machine Age	hrs	Client Info		0	0	333
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*	1.075		1.069	1.073	1.081
pH	Scale 0-14	ASTM D1287*	10.5	▲ 7.27	8.49	8.63
Nitrites	ppm	Alcan Test Kit*	1200	▲ 440	360	640
Reserve Alkalinity	Scale 0-20	ASTM D1121*	5.5	▲ 2.0	6.0	7.6
Percentage Glycol	%	ASTM D3321*	50	51.1	54.5	61.0
Freezing Point	°C	ASTM D3321*	-37	-38	-45	-59
Carboxylate				---	---	---

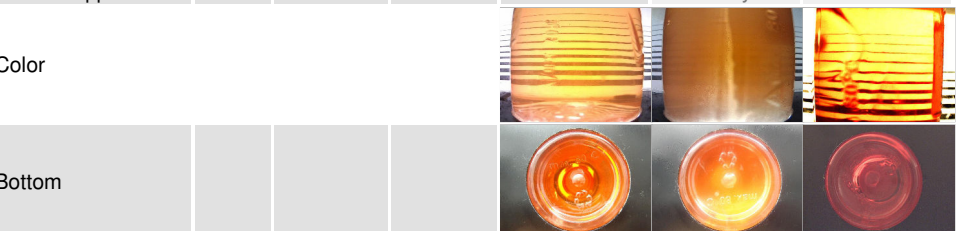
CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	120	62	98	87
Phosphorus	ppm	ASTM D5185(m)	0	61	124	144
Boron	ppm	ASTM D5185(m)		14	10	26
Molybdenum	ppm	ASTM D5185(m)	310	170	456	822

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	0	<1	2
Aluminum	ppm	ASTM D5185(m)	>10	2	6	7
Copper	ppm	ASTM D5185(m)	>10	1	2	1
Lead	ppm	ASTM D5185(m)	>10	0	0	1
Tin	ppm	ASTM D5185(m)	>10	0	0	<1
Silver	ppm	ASTM D5185(m)	>10	<1	<1	2
Zinc	ppm	ASTM D5185(m)		3	0	2

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		2924	3268	2690
Potassium	ppm	ASTM D5185(m)		5571	1372	677

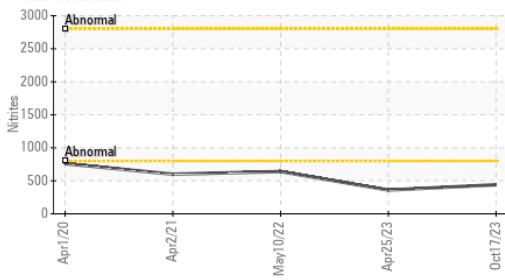
SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	5	7	5
Magnesium	ppm	ASTM D5185(m)	>40	3	2	2
Hardness	mg/L CaCO3	In-house*	<75	25	26	19

VISUAL		method	limit/base	current	history1	history2
Coolant Color	Visual*	Magenta		Orange	Orange	Orange
Coolant Appearance	Visual*	Clear		Clear	▲ Cloudy	Clear

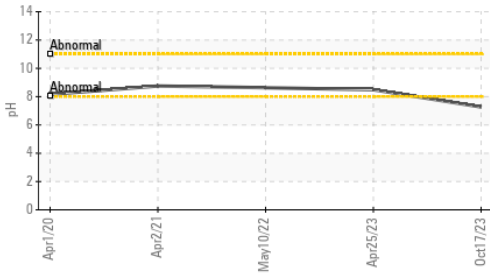


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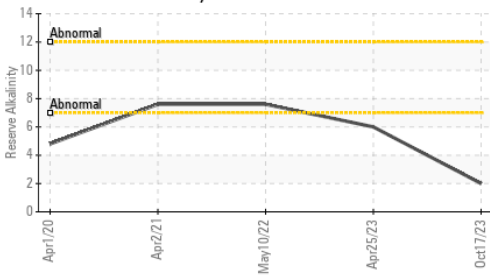
▲ Nitrites



▲ pH

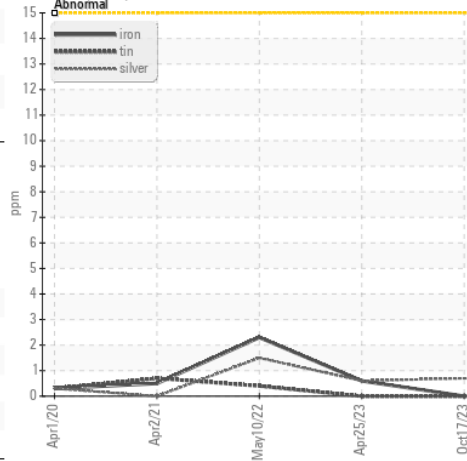


▲ Reserve Alkalinity

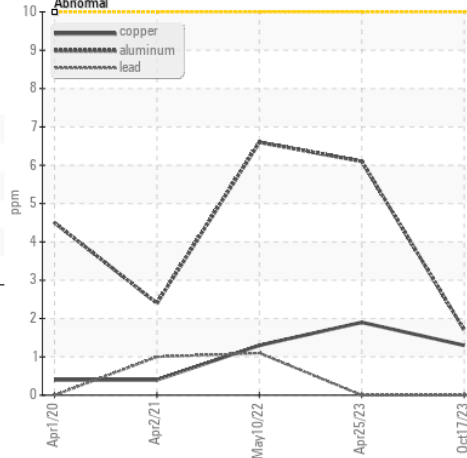


GRAPHS

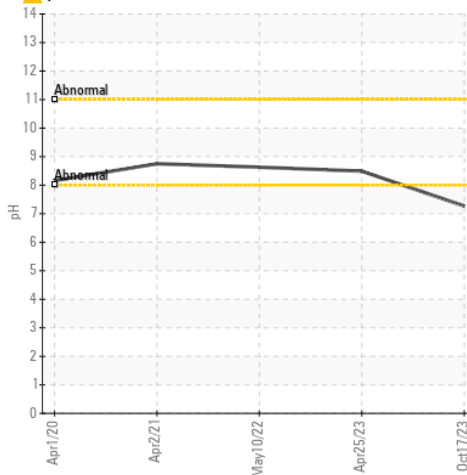
Iron/Tin/Silver



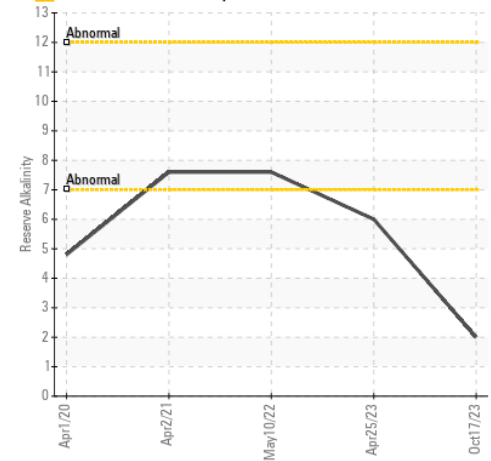
Copper/Aluminum/Lead



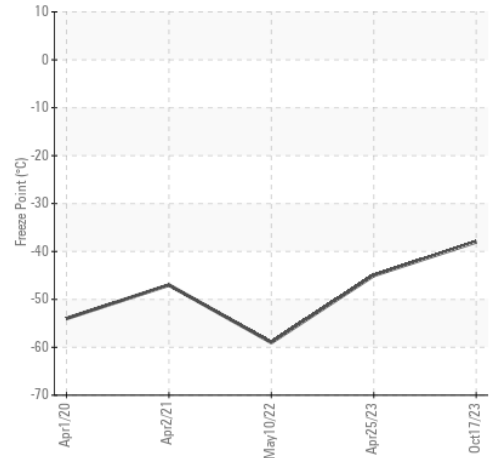
▲ pH



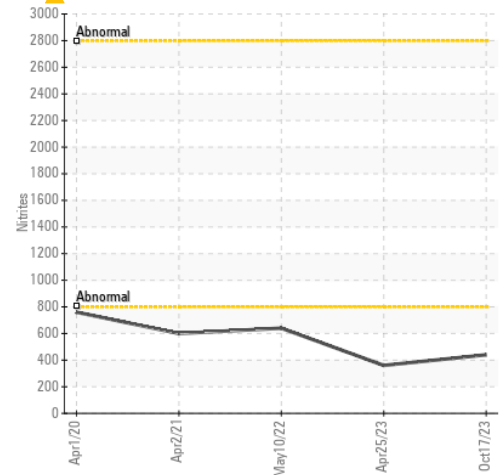
▲ Reserve Alkalinity



Freeze Point



▲ Nitrites



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020531
Lab Number : 02591554
Unique Number : 5668633
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.