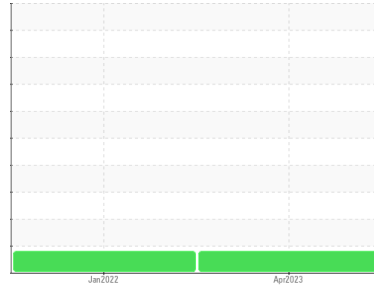


COOLANT REPORT

Sample Rating Trend

WEAR

Area
HUMBER RIVER HOSPITAL [78791]
Machine Id
2013806810
Component
Coolant
Fluid
EXTENDED LIFE COOLANT (--- GAL)



DIAGNOSIS

▲ Recommendation

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

▲ Corrosion

Aluminum ppm levels are abnormal. The high metal levels indicate corrosion in the system.

Contaminants

There is no indication of any contamination in the coolant.

Coolant Condition

The nitrite level is acceptable. 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		WA0018548	WA0017485	---
Sample Date	Client Info		18 Apr 2023	31 Jan 2022	---
Machine Age	hrs	Client Info	94	16	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			ABNORMAL	ABNORMAL	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*		1.068	1.067	---
pH	Scale 0-14	ASTM D1287* 9.0	8.19	8.23	---
Nitrites	ppm	Alcan Test Kit*	680	800	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	4.7	4.7	---
Percentage Glycol	%	ASTM D3321* 50	50.2	50.0	---
Freezing Point	°C	ASTM D3321* -40	-35	-37	---
Carboxylate			---	---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	22	11	---
Phosphorus	ppm	ASTM D5185(m)	11	12	---
Boron	ppm	ASTM D5185(m)	33	58	---
Molybdenum	ppm	ASTM D5185(m)	388	410	---

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >15	1	1	---
Aluminum	ppm	ASTM D5185(m) >10	▲ 23	▲ 13	---
Copper	ppm	ASTM D5185(m) >10	2	<1	---
Lead	ppm	ASTM D5185(m) >10	<1	2	---
Tin	ppm	ASTM D5185(m) >10	0	<1	---
Silver	ppm	ASTM D5185(m) >10	0	<1	---
Zinc	ppm	ASTM D5185(m)	4	4	---

CARRIER SALTS

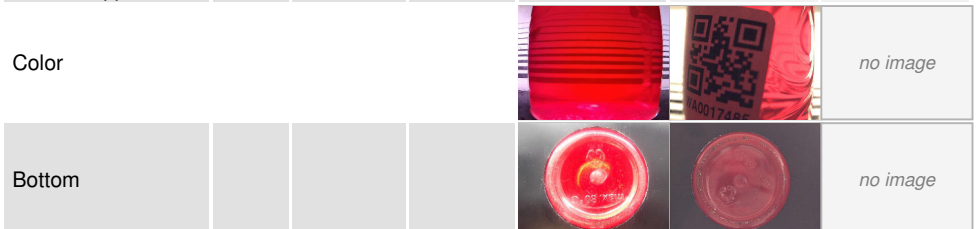
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)	3324	2321	---
Potassium	ppm	ASTM D5185(m)	78	69	---

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m) >100	16	7	---
Magnesium	ppm	ASTM D5185(m) >40	2	2	---
Hardness	mg/L CaCO3	In-house* <75	49	26	---

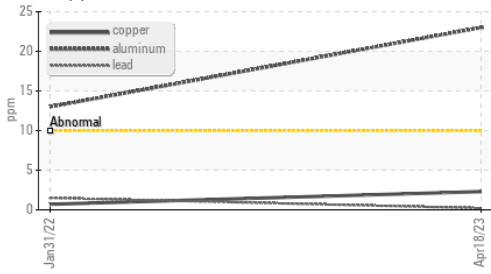
VISUAL

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



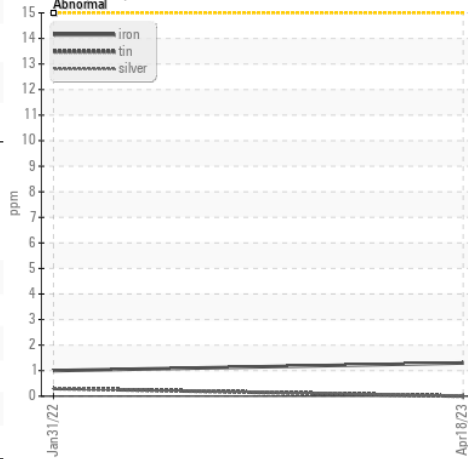
COOLANT REPORT

▲ Copper/Aluminum/Lead

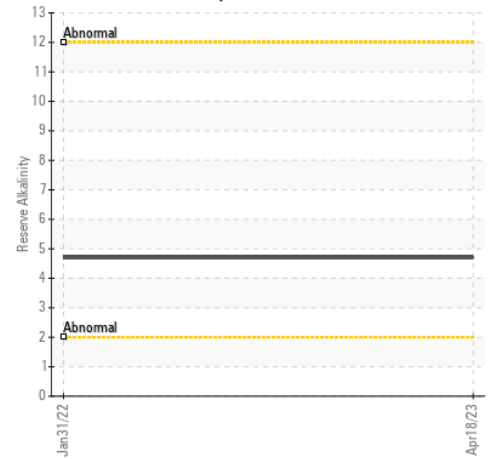


GRAPHS

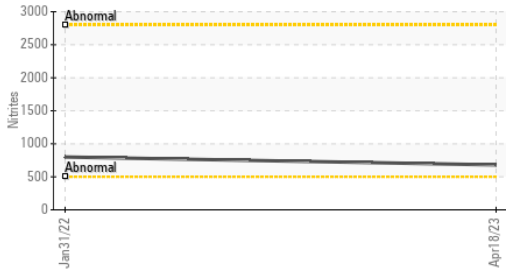
Iron/Tin/Silver



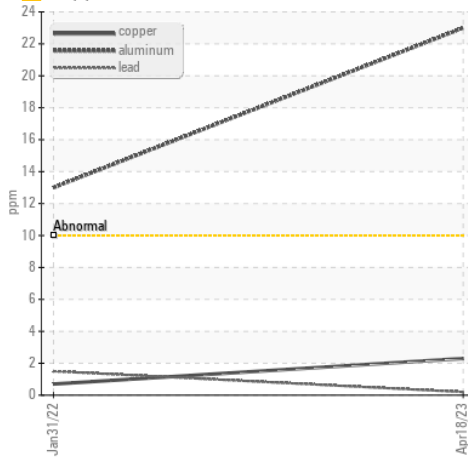
Reserve Alkalinity



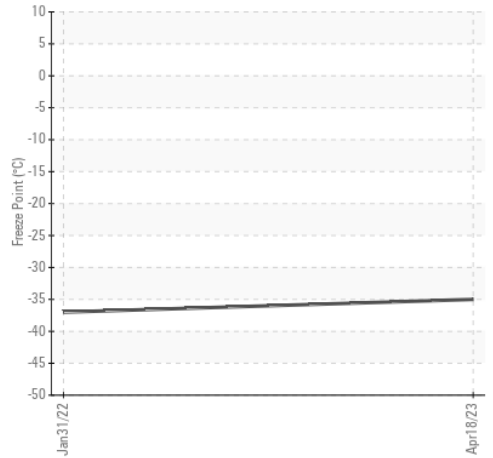
Nitrites



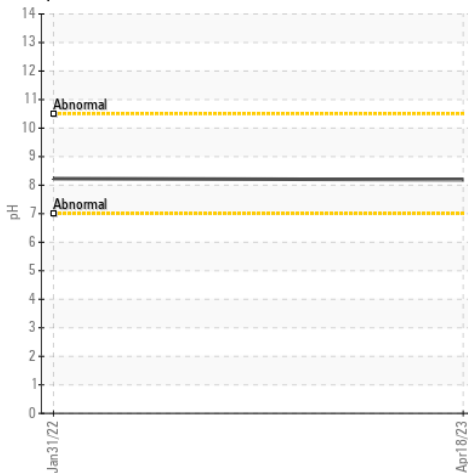
▲ Copper/Aluminum/Lead



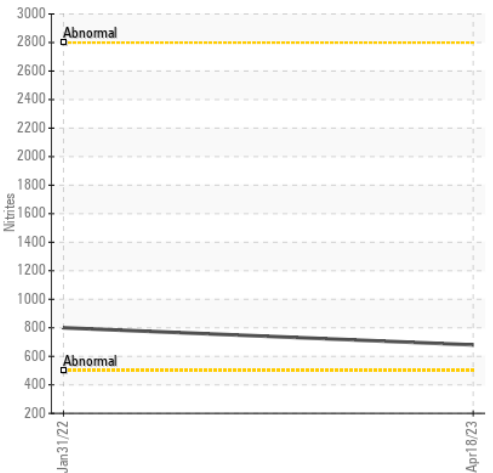
Freeze Point



pH



Nitrites



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0018548 **Received** : 03 May 2023
Lab Number : 02555258 **Diagnosed** : 05 May 2023
Unique Number : 5568273 **Diagnostician** : Kevin Marson
Test Package : COOL

Wajax Power Systems
 10 Diesel Drive
 Toronto, ON
 CA M8W 2T8
 Contact: David Gilkes
 dgilkes@wajax.com
 T: (416)259-3281
 F: (416)251-6191

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.