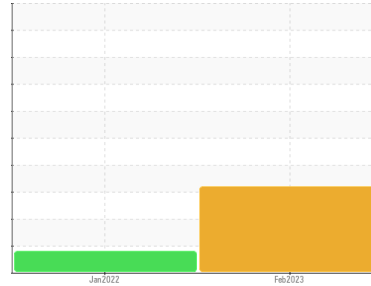


COOLANT REPORT

Sample Rating Trend

SCAS

Area
JW MARRIOTT [78824]
Machine Id
13249
Component
Coolant
Fluid
CONVENTIONAL 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

Copper 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 low nitrite level indicates reduced cavitation protection which leads to corrosion and ammonia formation. The pH level of this fluid is within the acceptable limits.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WA0018714	WA0017496	---
Sample Date	Client Info		09 Feb 2023	27 Jan 2022	---
Machine Age	hrs	Client Info	845	828	---
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*		1.064	1.064	---
pH	Scale 0-14	ASTM D1287* 9.5	8.92	9.10	---
Nitrites	ppm	Alcan Test Kit* 1500	▲ 760	1000	---
Reserve Alkalinity	Scale 0-20	ASTM D1121* 8.5	5.8	2.8	---
Percentage Glycol	%	ASTM D3321* 50	47.4	47.0	---
Freezing Point	°C	ASTM D3321* -40	-28	-33	---
Carboxylate			---	---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	15	17	---
Phosphorus	ppm	ASTM D5185(m)	13	8	---
Boron	ppm	ASTM D5185(m)	205	231	---
Molybdenum	ppm	ASTM D5185(m)	2	6	---

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >15	2	<1	---
Aluminum	ppm	ASTM D5185(m) >10	<1	4	---
Copper	ppm	ASTM D5185(m) >10	▲ 11	▲ 11	---
Lead	ppm	ASTM D5185(m) >10	1	2	---
Tin	ppm	ASTM D5185(m) >10	<1	1	---
Silver	ppm	ASTM D5185(m) >10	0	1	---
Zinc	ppm	ASTM D5185(m)	2	1	---

CARRIER SALTS

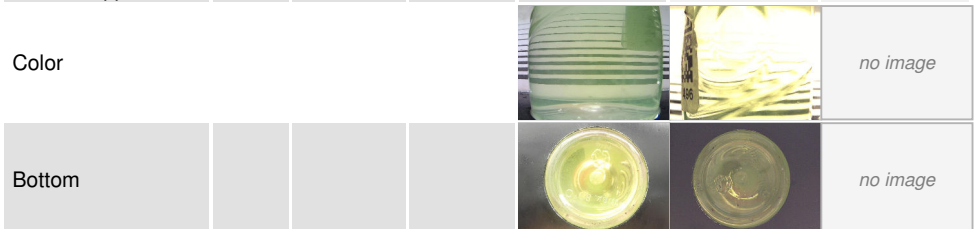
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)	1301	1227	---
Potassium	ppm	ASTM D5185(m)	533	545	---

SCALE POTENTIAL

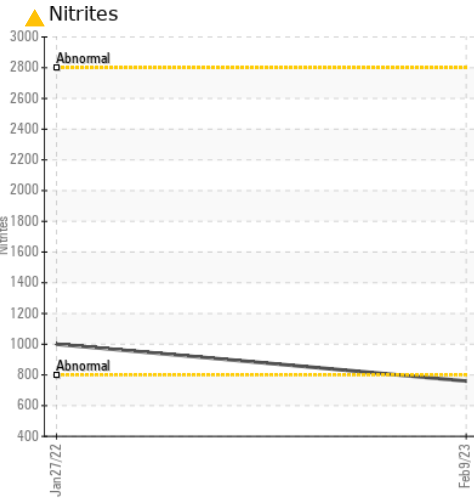
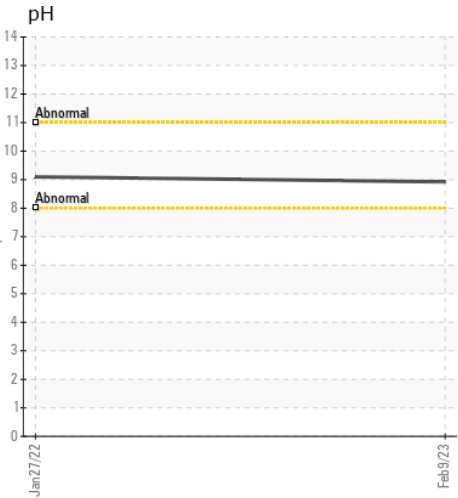
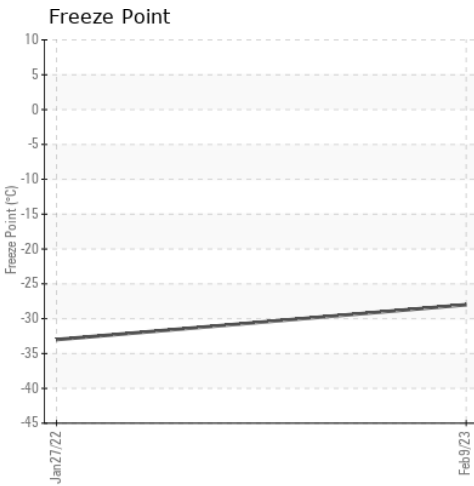
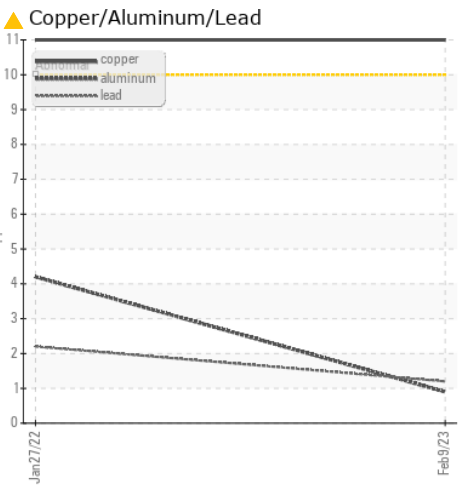
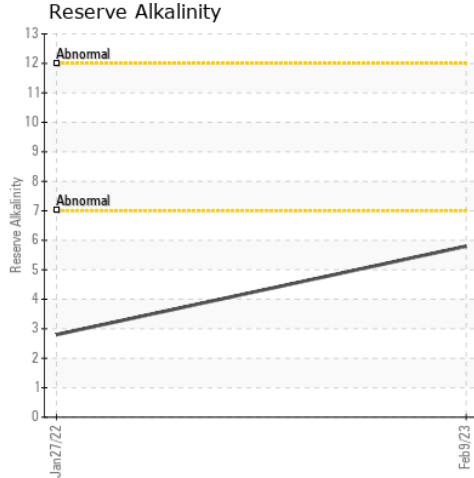
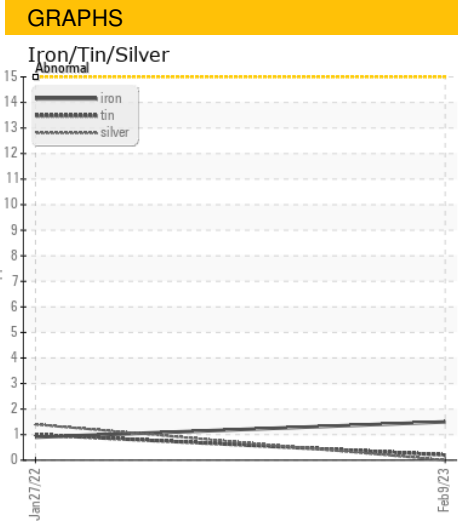
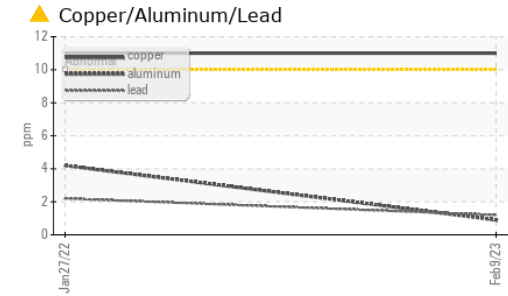
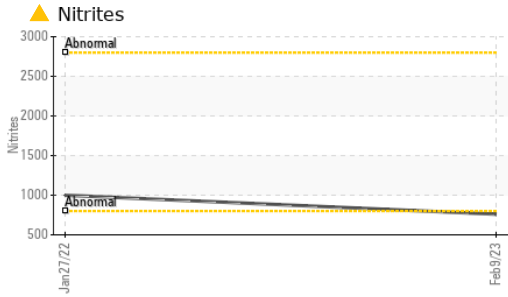
	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m) >100	10	3	---
Magnesium	ppm	ASTM D5185(m) >40	3	1	---
Hardness	mg/L CaCO3	In-house* <75	35	11	---

VISUAL

	method	limit/base	current	history1	history2
Coolant Color	Visual*	Green	Green	Green	---
Coolant Appearance	Visual*	Clear	Clear	Clear	---



COOLANT REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0018714 **Received** : 27 Feb 2023
Lab Number : 02541903 **Diagnosed** : 28 Feb 2023
Unique Number : 5538908 **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.