

COOLANT REPORT

Sample Rating Trend

WEAR



Area
[6100242162]
Machine Id
NO UNIT WA0018424
Component
Coolant
Fluid
EXTENDED LIFE COOLANT (--- GAL)



DIAGNOSIS

Recommendation
We recommend that you drain the system and refill with a 50/50 long-life coolant/water mixture. 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 reserve alkalinity of this fluid is acceptable.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WA0018424	---	---
Sample Date	Client Info	18 Dec 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*	1.067	---	---
pH	Scale 0-14 ASTM D1287* 9.0	6.99	---	---
Nitrites	ppm Alcan Test Kit*	320	---	---
Reserve Alkalinity	Scale 0-20 ASTM D1121*	2.6	---	---
Percentage Glycol	% ASTM D3321* 50	50.0	---	---
Freezing Point	°C ASTM D3321* -40	-35	---	---
Carboxylate		---	---	---

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	10	---	---
Phosphorus	ppm ASTM D5185(m)	6	---	---
Boron	ppm ASTM D5185(m)	76	---	---
Molybdenum	ppm ASTM D5185(m)	51	---	---

CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >15	<1	---	---
Aluminum	ppm ASTM D5185(m) >10	3	---	---
Copper	ppm ASTM D5185(m) >10	▲ 36	---	---
Lead	ppm ASTM D5185(m) >10	0	---	---
Tin	ppm ASTM D5185(m) >10	0	---	---
Silver	ppm ASTM D5185(m) >10	1	---	---
Zinc	ppm ASTM D5185(m)	13	---	---

CARRIER SALTS

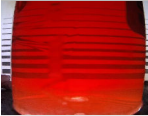

method	limit/base	current	history1	history2
Sodium	ppm ASTM D5185(m)	1987	---	---
Potassium	ppm ASTM D5185(m)	9479	---	---

SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D5185(m) >100	17	---	---
Magnesium	ppm ASTM D5185(m) >40	3	---	---
Hardness	mg/L CaCO3 In-house* <75	55	---	---

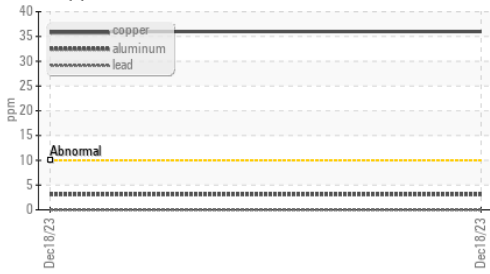
VISUAL

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

Color		no image	no image
Bottom		no image	no image

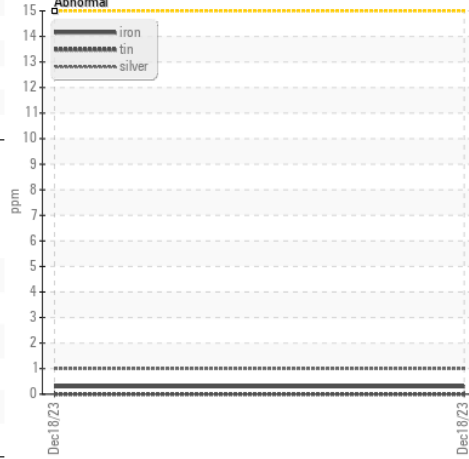
COOLANT REPORT

▲ Copper/Aluminum/Lead

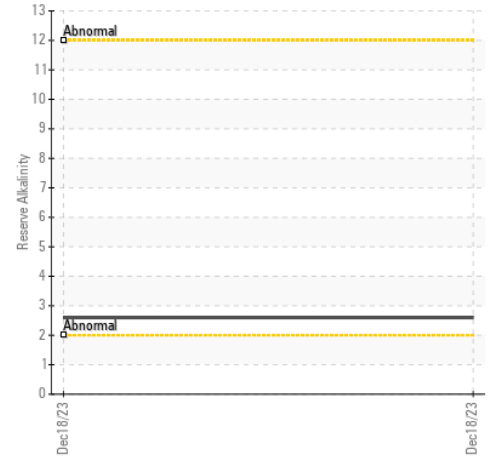


GRAPHS

Iron/Tin/Silver



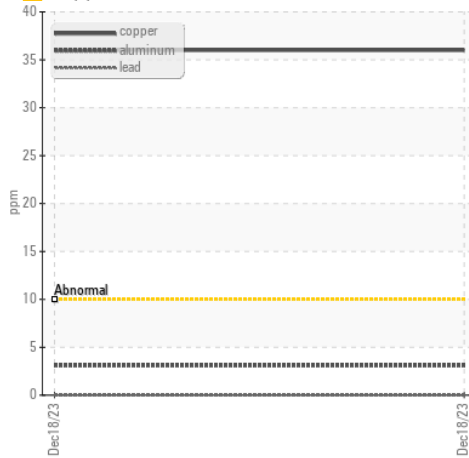
Reserve Alkalinity



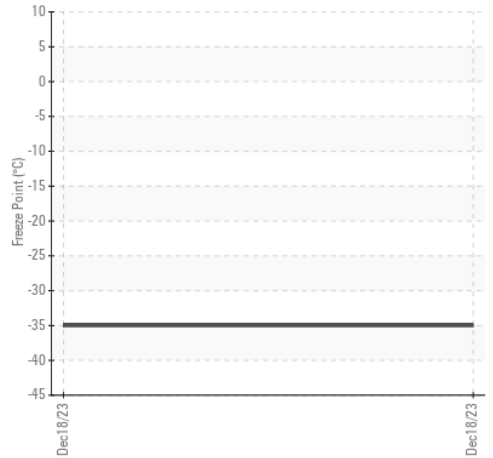
Nitrites



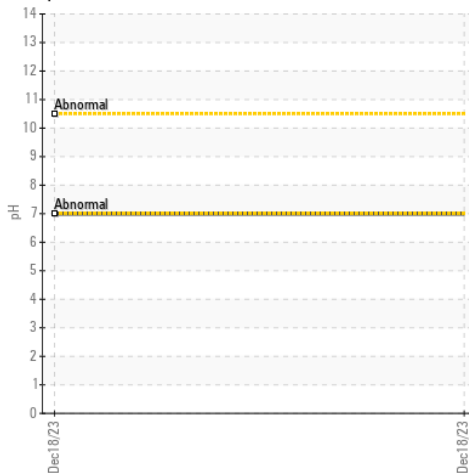
▲ Copper/Aluminum/Lead



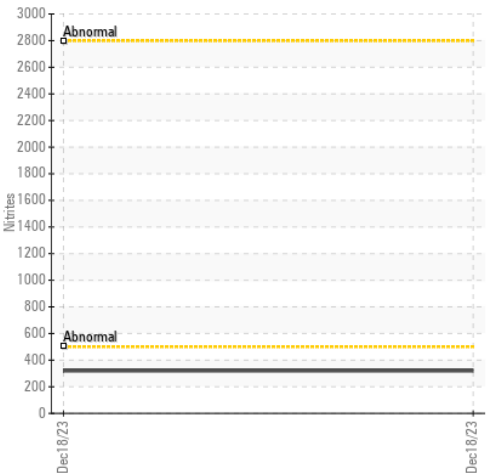
Freeze Point



pH



Nitrites



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0018424 **Received** : 19 Dec 2023
Lab Number : 02604262 **Diagnosed** : 20 Dec 2023
Unique Number : 5697347 **Diagnostician** : Kevin Marson
Test Package : COOL

Wajax Power Systems
 70 Raddall Avenue
 Dartmouth, NS
 CA B3B 1T7
 Contact: Danelle Hoffman
 dhoffman@wajax.com
 T: (902)468-6200
 F: (902)468-3325

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.