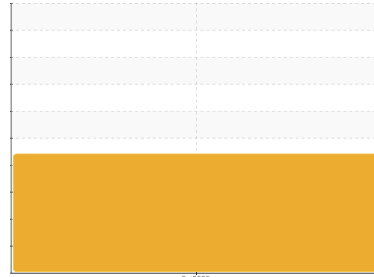


COOLANT REPORT

Sample Rating Trend

SCAS

Area
SISTERS OF MERCY
Machine Id
DUETZ 0750408
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

Lead 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 lower than acceptable. The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. 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		WA0015047	---	---
Sample Date	Client Info		18 Oct 2023	---	---
Machine Age	hrs	Client Info	419	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*		1.057	---	---
pH	Scale 0-14	ASTM D1287*	9.5	8.18	---
Nitrites	ppm	Alcan Test Kit*	1500	▲ 160	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	▲ 2.5	---
Percentage Glycol	%	ASTM D3321*	50	42.5	---
Freezing Point	°C	ASTM D3321*	-40	-17	---
Carboxylate				---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		15	---
Phosphorus	ppm	ASTM D5185(m)		11	---
Boron	ppm	ASTM D5185(m)		229	---
Molybdenum	ppm	ASTM D5185(m)		<1	---

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	3	---
Aluminum	ppm	ASTM D5185(m)	>10	3	---
Copper	ppm	ASTM D5185(m)	>10	7	---
Lead	ppm	ASTM D5185(m)	>10	▲ 16	---
Tin	ppm	ASTM D5185(m)	>10	0	---
Silver	ppm	ASTM D5185(m)	>10	<1	---
Zinc	ppm	ASTM D5185(m)		1	---

CARRIER SALTS



	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		3107	---
Potassium	ppm	ASTM D5185(m)		740	---

SCALE POTENTIAL

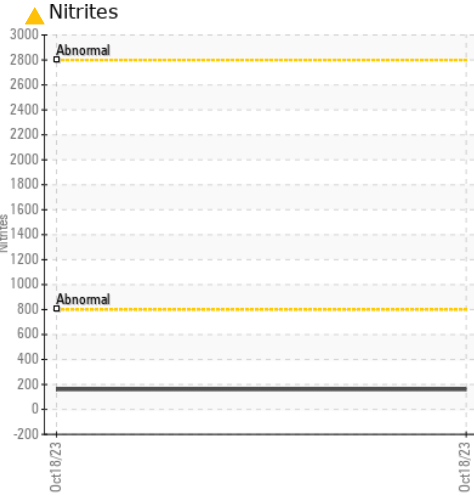
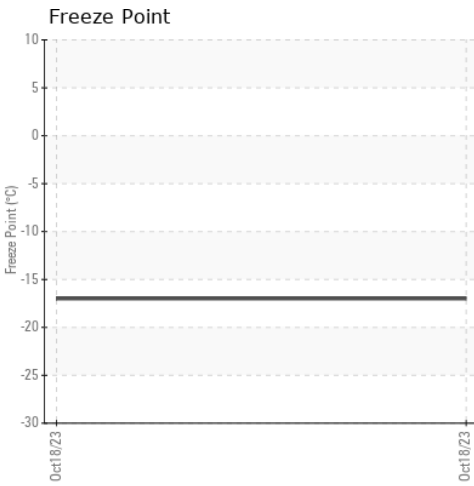
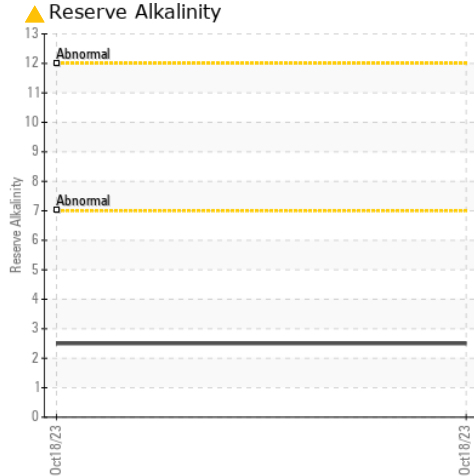
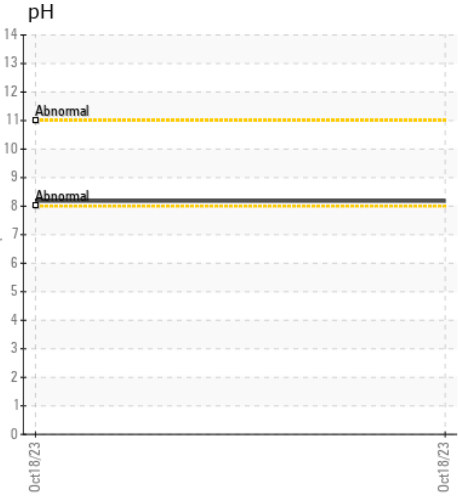
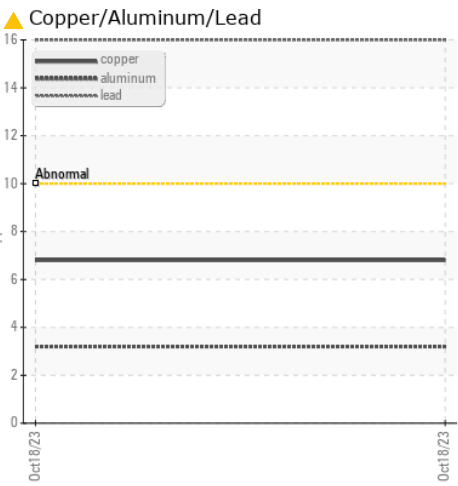
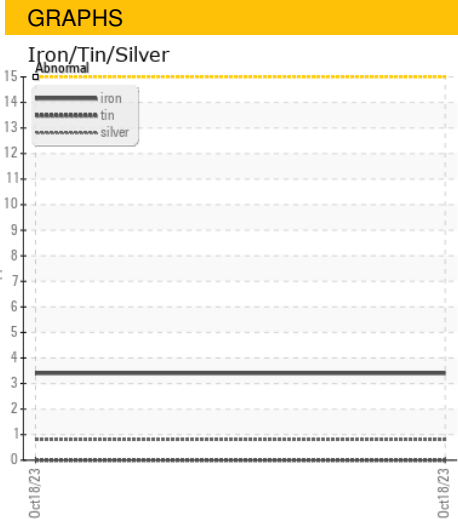
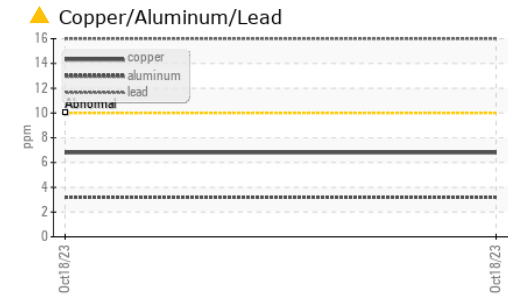
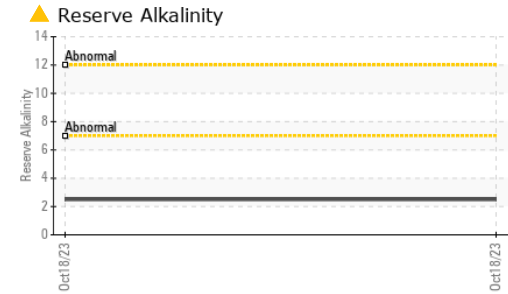
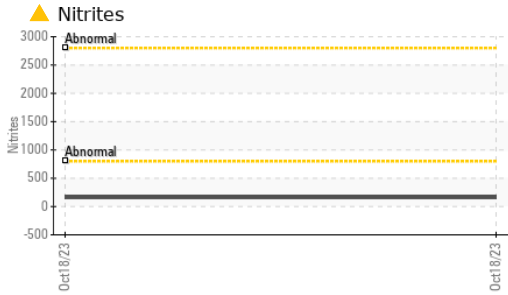
	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	10	---
Magnesium	ppm	ASTM D5185(m)	>40	2	---
Hardness	mg/L CaCO3	In-house*	<75	33	---

VISUAL

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

Color				no image	no image
Bottom				no image	no image

COOLANT REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0015047
Lab Number : 02590790
Unique Number : 5659856
Test Package : COOL

Received : 20 Oct 2023
Diagnosed : 22 Oct 2023
Diagnostician : Kevin Marson

WAJAX POWER SYSTEMS
 1 PANTHER PLACE
 MOUNT PEARL, NL
 CA A1N 5B7
 Contact: Alex Jr Earle
 aearle@wajax.com
 T: (709)747-7341
 F: (709)747-8752

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.