

COOLANT REPORT

Sample Rating Trend

APPEARANCE

Area
[153921]
Machine Id
5072012654 (S/N 5272012654)
Component
Coolant
Fluid
DETROIT DIESEL PRESTONE (--- GAL)



DIAGNOSIS

Recommendation

We advise that you check all areas where contaminants can enter the system. We recommend that you drain the coolant from the component if this has not already been done. We recommend an early resample to monitor this condition.

Corrosion

All metal levels are normal indicating no corrosion in the cooling system.

Contaminants

The sample contained a visible layer of foreign fluid contaminant, the origin and/or type of fluid is unknown.

Coolant Condition

The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The coolant is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WA0018866	---	---
Sample Date	Client Info		08 Dec 2023	---	---
Machine Age	hrs	Client Info	3	---	---
Oil Age	hrs	Client Info	3	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			SEVERE	---	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*		1.066	---	---
pH	Scale 0-14	ASTM D1287*	9.83	---	---
Nitrites	ppm	Alcan Test Kit*	1360	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	3.2	---	---
Percentage Glycol	%	ASTM D3321*	49.1	---	---
Freezing Point	°C	ASTM D3321*	-33	---	---
Carboxylate			---	---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	25	---	---
Phosphorus	ppm	ASTM D5185(m)	9	---	---
Boron	ppm	ASTM D5185(m)	199	---	---
Molybdenum	ppm	ASTM D5185(m)	<1	---	---

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	0	---
Aluminum	ppm	ASTM D5185(m)	>10	0	---
Copper	ppm	ASTM D5185(m)	>10	0	---
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)		0	---

CARRIER SALTS

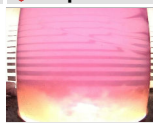

	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		2178	---
Potassium	ppm	ASTM D5185(m)		31	---

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	11	---
Magnesium	ppm	ASTM D5185(m)	>40	2	---
Hardness	mg/L CaCO3	In-house*	<75	36	---

VISUAL

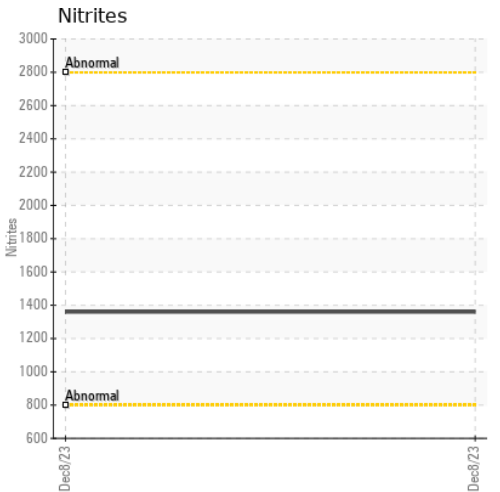
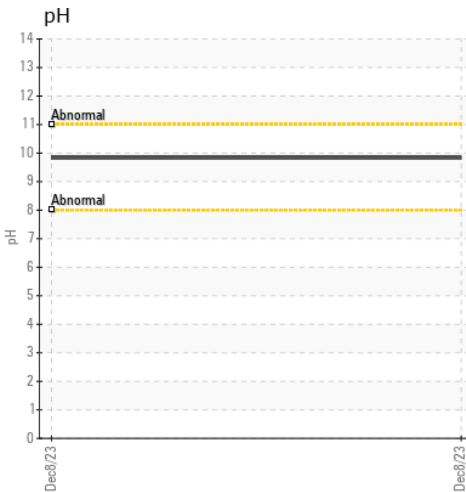
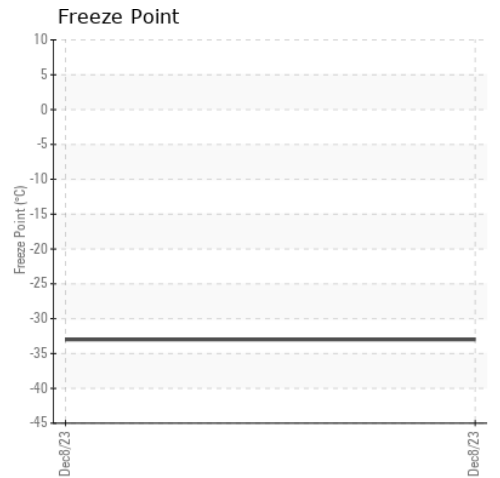
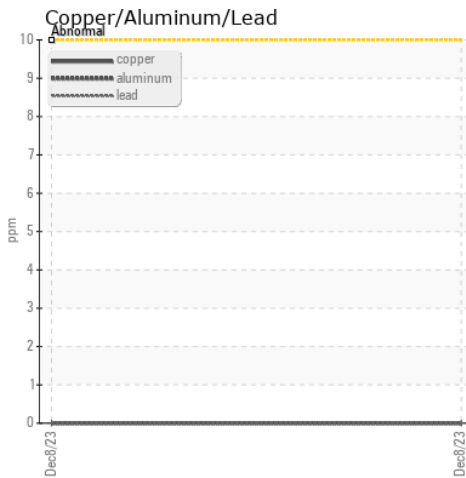
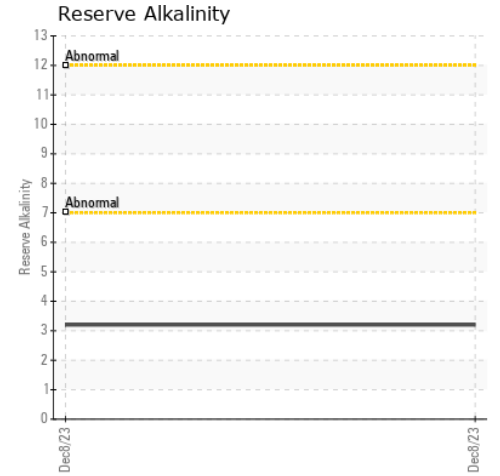
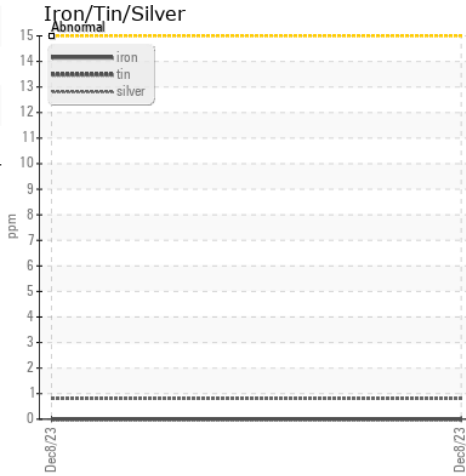
	method	limit/base	current	history1	history2
Coolant Color	Visual*		Pink	---	---
Coolant Appearance	Visual*	Clear	Separati	---	---

Color				no image	no image
Bottom				no image	no image

COOLANT REPORT



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0018866 **Recieved** : 15 Dec 2023
Lab Number : 02603627 **Diagnosed** : 18 Dec 2023
Unique Number : 5696712 **Diagnostician** : Kevin Marson
Test Package : COOL (Additional Tests: CENTRIFUGE(WARD))

JOY GLOBAL INC
 BAY 10 2256-29 ST E
 CALGARY, AB
 CA T1Y 7G4
 Contact: Service Manager
 CBAVIN@WAJAX.COM

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.

T:
F: