



COOLANT REPORT

Sample Rating Trend

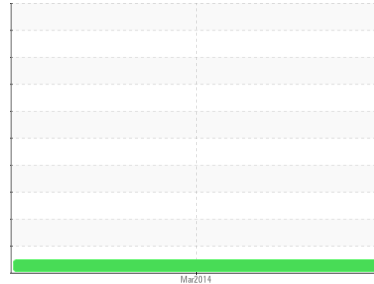
NORMAL



Machine Id
Port Ship Service Generator (S/N C6T00280)

Component
Port Coolant
Fluid

CAT EXTENDED LIFE COOLANT (ELC) (30 LTR)



DIAGNOSIS

Recommendation

The fluid is suitable for further service. Resample at the next service interval to monitor.

Corrosion

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

Contaminants

There is no indication of any contamination in the component.

Coolant Condition

The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC66000645	---	---
Sample Date	Client Info		21 Mar 2014	---	---
Machine Age	hrs	Client Info	3827	---	---
Oil Age	hrs	Client Info	3827	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			NORMAL	---	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*	1.070	1.060	---	---
pH	Scale 0-14	ASTM D1287*	8.3	8.05	---
Nitrites	ppm	Alcan Test Kit*	550	440	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	5.5	2.7	---
Percentage Glycol	%	ASTM D3321*	50	44.0	---
Freezing Point	°C	ASTM D3321*	-37	-30	---
Carboxylate			---	---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	0	8	---
Phosphorus	ppm	ASTM D5185(m)	0	6	---
Boron	ppm	ASTM D5185(m)	0	14	---
Molybdenum	ppm	ASTM D5185(m)	950	509	---

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	6	---
Aluminum	ppm	ASTM D5185(m)	>10	4	---
Copper	ppm	ASTM D5185(m)	>10	<1	---
Lead	ppm	ASTM D5185(m)	>10	2	---
Tin	ppm	ASTM D5185(m)	>10	<1	---
Silver	ppm	ASTM D5185(m)	>10	2	---
Zinc	ppm	ASTM D5185(m)		4	---

CARRIER SALTS

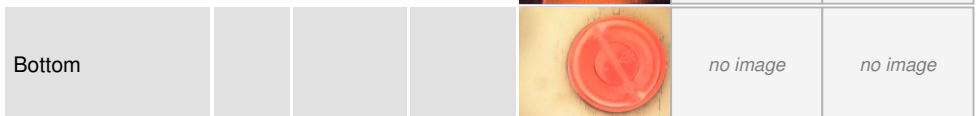
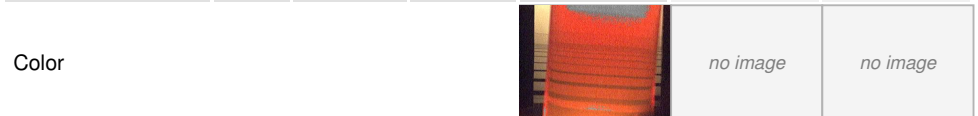
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		3166	---
Potassium	ppm	ASTM D5185(m)		15	---

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)		5	---
Magnesium	ppm	ASTM D5185(m)		10	---

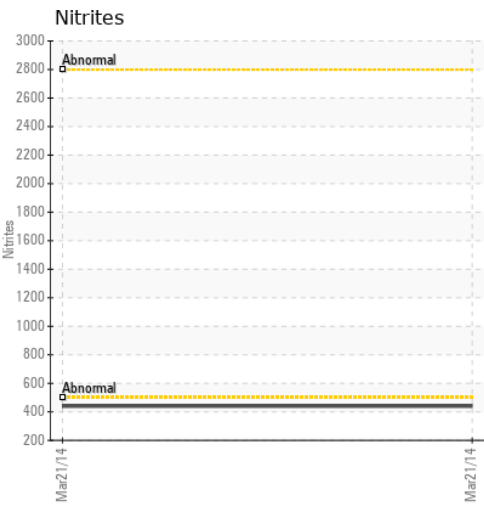
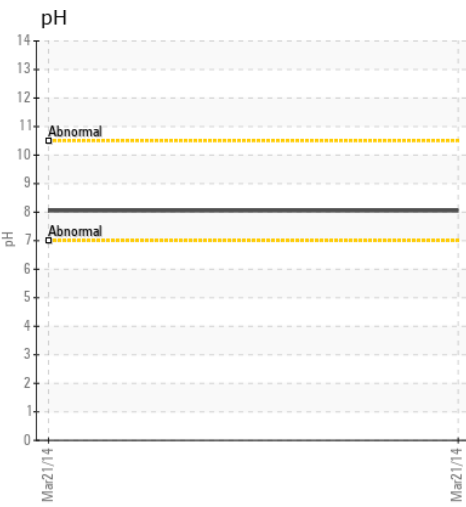
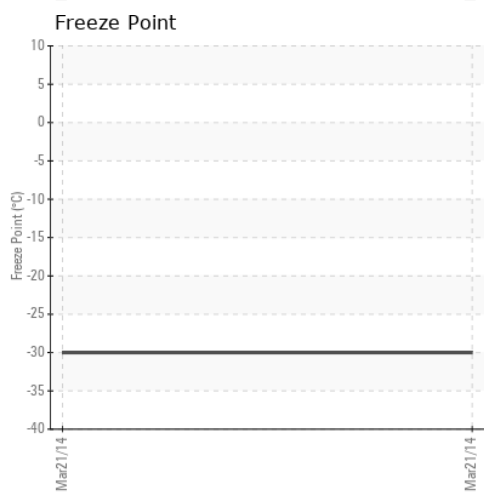
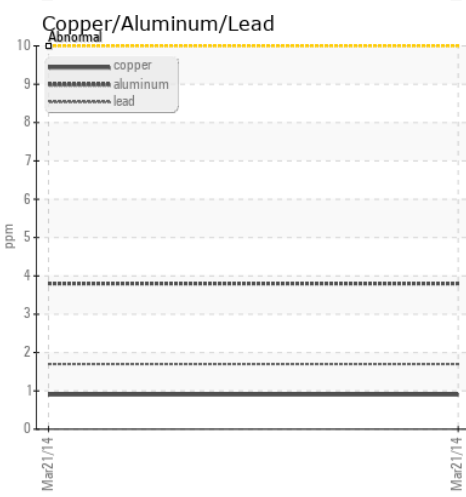
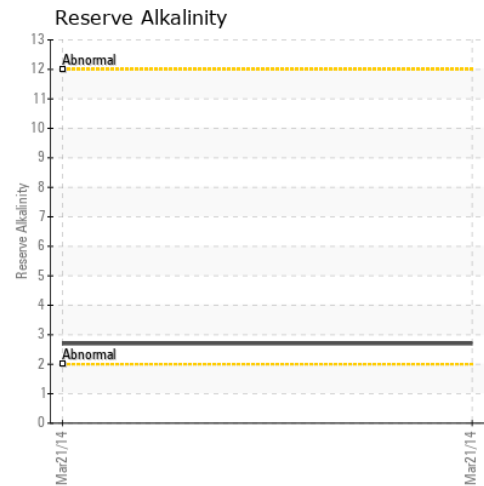
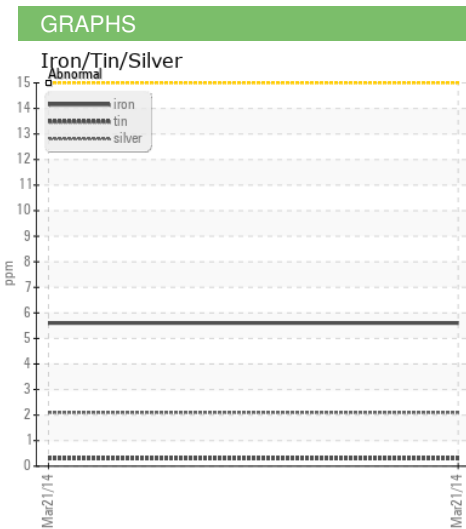
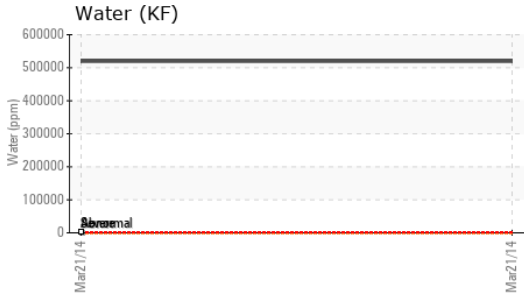
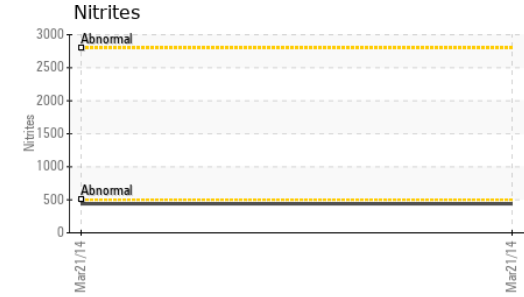
VISUAL

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





COOLANT REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC66000645
Lab Number : 01912826
Unique Number : 3919776
Test Package : COOL (Additional Tests: KF)

CANADIAN COAST GUARD
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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.