

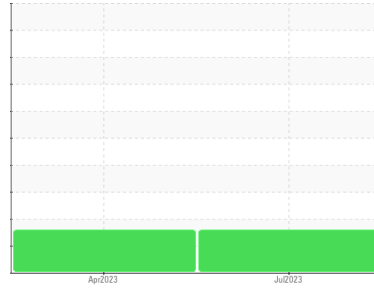


COOLANT REPORT

Sample Rating Trend

APPEARANCE

Area
Huntington
 Machine Id
[Huntington] Coolant - Starboard Genset
 Component
Coolant
 Fluid
{not provided} (--- GAL)



DIAGNOSIS

▲ Recommendation

We recommend drain/flush system, and refill with 50/50 antifreeze water mixture. We recommend an early resample to monitor this condition.

▲ Corrosion

The iron level is abnormal.

▲ Contaminants

Sediment present.

Coolant Condition

Carboxylate test failed. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0769347	WC0731810	---
Sample Date	Client Info	24 Jul 2023	16 Apr 2023	---
Machine Age	hrs Client Info	0	0	---
Oil Age	hrs Client Info	0	0	---
Oil Changed	Client Info	N/A	N/A	---
Sample Status		ABNORMAL	ABNORMAL	---

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298	1.055	1.055	---
pH	Scale 0-14 ASTM D1287	8.79	8.94	---
Nitrites	ppm AP-053:2009	412	372	---
Reserve Alkalinity	Scale 0-20 *ASTM D1121	---	---	---
Percentage Glycol	% ASTM D3321	40.4	40.5	---
Freezing Point	°F ASTM D3321	-13	-13	---
Total Dissolved Solids		217.0	264.5	---
Carboxylate		fail	pass	---

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	4	14	---
Phosphorus	ppm ASTM D6130	0	0	---
Boron	ppm ASTM D6130	6	7	---
Molybdenum	ppm ASTM D6130	674	714	---

CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D6130 >15	▲ 28	▲ 52	---
Aluminum	ppm ASTM D6130 >10	2	3	---
Copper	ppm ASTM D6130 >10	<1	<1	---
Lead	ppm ASTM D6130 >10	<1	<1	---
Tin	ppm ASTM D6130 >10	<1	<1	---
Zinc	ppm ASTM D6130	1	2	---

CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130	29	31	---

CARRIER SALTS

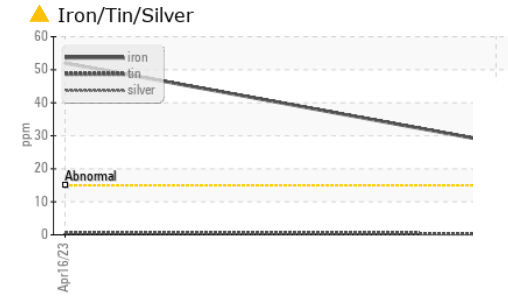
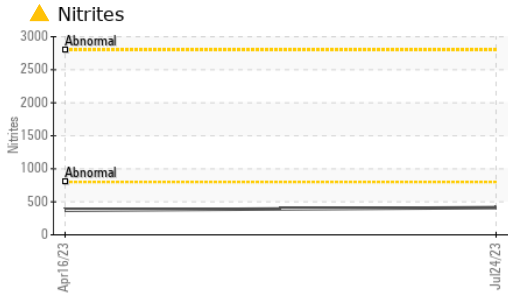
method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	5045	4896	---
Potassium	ppm ASTM D6130	0	16	---


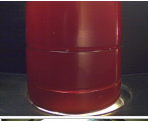


SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130	4	4	---
Magnesium	ppm ASTM D6130	<1	<1	---

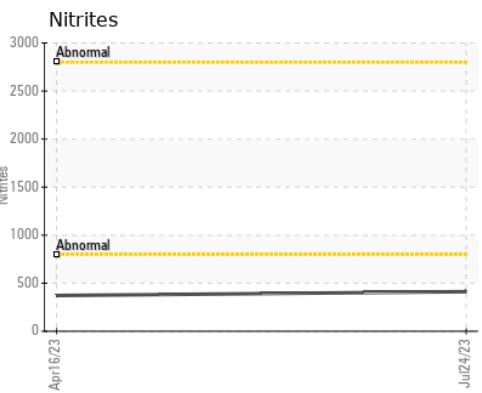
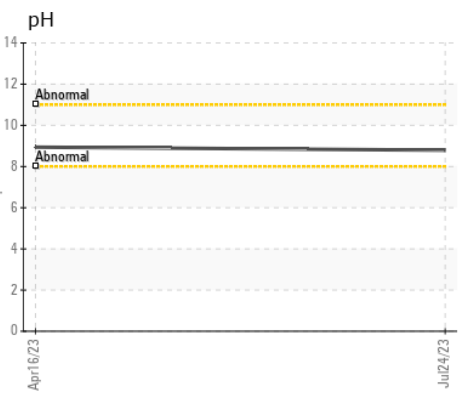
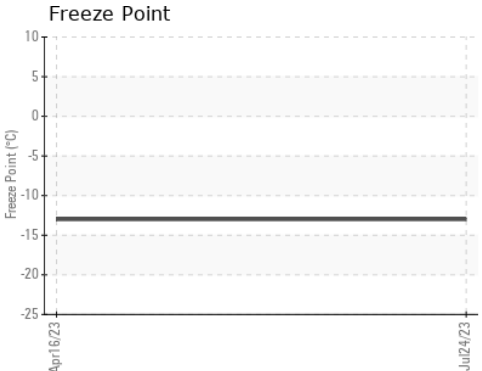
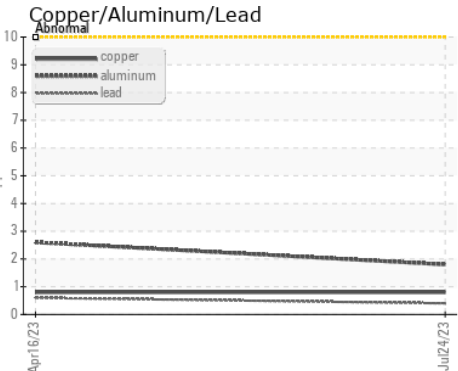
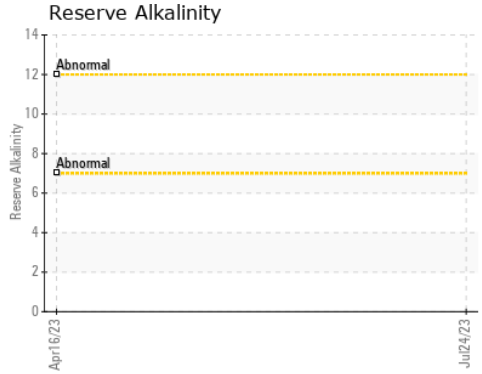
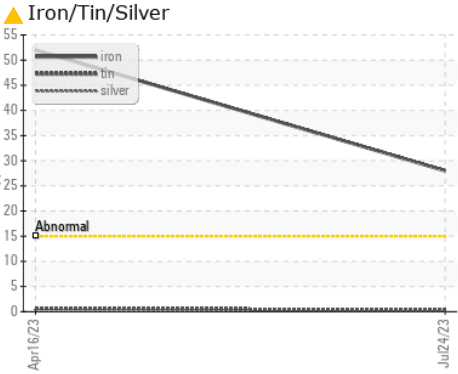


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Red	Red	---
Coolant Appearance	*Visual	Clear	▲ sediment	▲ sediment	---
Color					no image
Bottom					no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0769347 **Received** : 17 Aug 2023
Lab Number : **05927673** **Diagnosed** : 24 Aug 2023
Unique Number : 10607620 **Diagnostician** : Doug Bogart
Test Package : COOL- (Additional Tests: COOL, ICP)

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)