



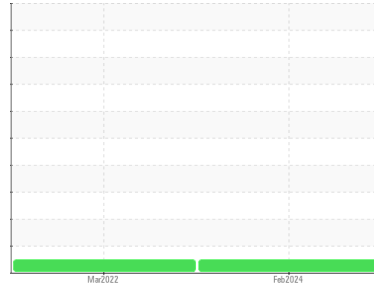
COOLANT REPORT

Sample Rating Trend

NORMAL



Area
THUNDER SPIRIT [200005313]
 Machine Id
07WEA84038 - CONVERTER (S/N EWP01573)
 Component
Coolant
 Fluid
HYBRID (HOAT) COOLANT (--- QTS)



DIAGNOSIS

Recommendation

The fluid is suitable for further service.

Corrosion

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

Contaminants

There is no indication of any contamination in the coolant.

Coolant Condition

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		NX014748	NX010564	---
Sample Date	Client Info		29 Feb 2024	11 Mar 2022	---
Machine Age	hrs	Client Info	54060	45997	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			NORMAL	NORMAL	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		1.079	1.079	---
pH	Scale 0-14	ASTM D1287	7.87	7.82	---
Nitrites	ppm	AP-053:2009	1540	1276	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	59.8	59.6	---
Freezing Point	°F	ASTM D3321	-56	-56	---
Total Dissolved Solids			299.0	340.0	---
Carboxylate			n/a	n/a	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	12	20	---
Phosphorus	ppm	ASTM D6130	1453	1299	---
Boron	ppm	ASTM D6130	242	413	---
Molybdenum	ppm	ASTM D6130	4	4	---

CORROSION

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D6130	>15	2	1	---
Aluminum	ppm	ASTM D6130	>10	1	0	---
Copper	ppm	ASTM D6130	>10	1	<1	---
Lead	ppm	ASTM D6130	>10	1	0	---
Tin	ppm	ASTM D6130	>10	0	0	---
Zinc	ppm	ASTM D6130		0	0	---

CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		21	0	---

CARRIER SALTS

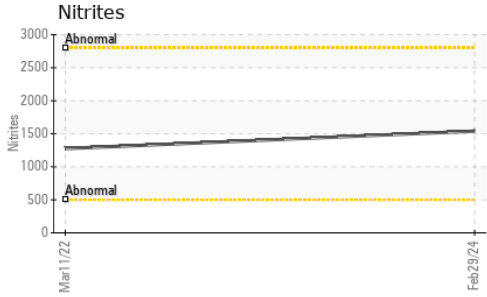
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		335	329	---
Potassium	ppm	ASTM D6130		4137	2374	---


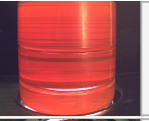


SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130		<1	0	---
Magnesium	ppm	ASTM D6130		1	2	---

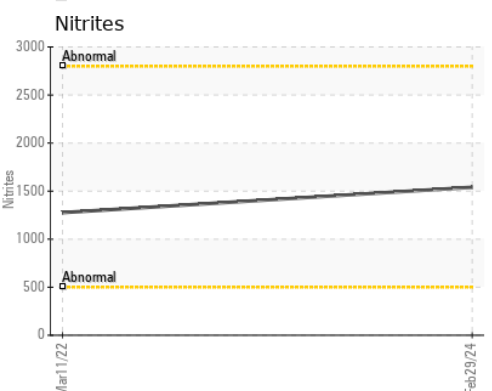
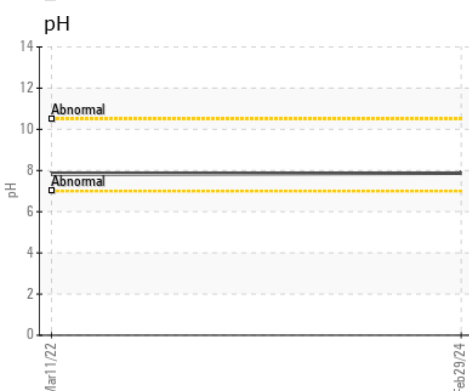
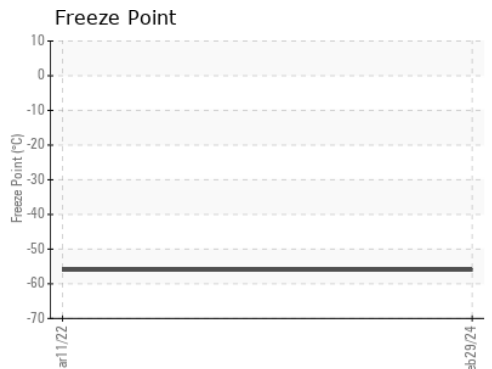
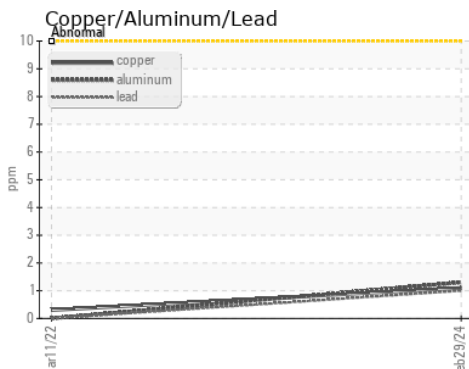
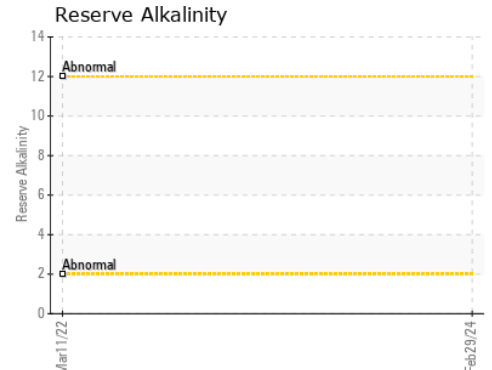
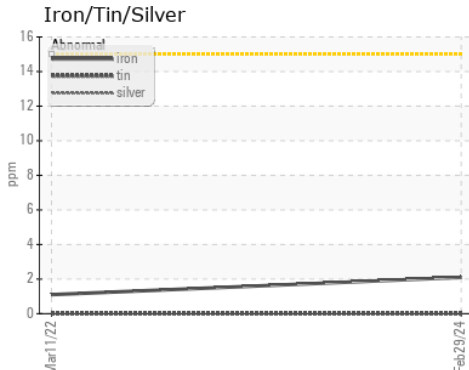


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Orange	Yellow	---
Coolant Appearance	*Visual	Clear	normal	normal	---
Color					no image
Bottom					no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX014748 **Received** : 19 Mar 2024
Lab Number : **06123298** **Tested** : 20 Mar 2024
Unique Number : 10937449 **Diagnosed** : 22 Mar 2024 - Jonathan Hester
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, 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)