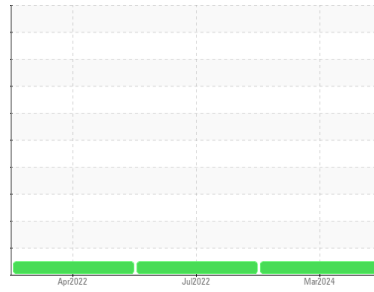




# COOLANT REPORT

### Sample Rating Trend



**NORMAL**



Area

**THUNDER SPIRIT [200009532]**

Machine Id

**43WEA84009 - CONVERTER (S/N EWP00674)**

Component

**Coolant**

Fluid

**INTERCOOL NFE-55AA (--- 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		<b>NX015569</b>	NX004563	NX004391
Sample Date	Client Info		<b>14 Mar 2024</b>	06 Jul 2022	07 Apr 2022
Machine Age	hrs	Client Info	<b>60565</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		<b>---</b>	---	---
Specific Gravity	*ASTM D1298		<b>1.068</b>	1.068	1.079
pH	Scale 0-14	ASTM D1287	<b>8.09</b>	8.11	7.87
Nitrites	ppm	AP-053:2009	<b>488</b>	184	976
Reserve Alkalinity	Scale 0-20	*ASTM D1121	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321	<b>50.2</b>	50.5	59.6
Freezing Point	°F	ASTM D3321	<b>-35</b>	-35	-56
Total Dissolved Solids			<b>86.5</b>	64.0	307.0
Carboxylate			<b>n/a</b>	n/a	n/a

### CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	<b>10</b>	18	14
Phosphorus	ppm	ASTM D6130	<b>233</b>	122	1246
Boron	ppm	ASTM D6130	<b>64</b>	68	416
Molybdenum	ppm	ASTM D6130	<b>&lt;1</b>	<1	3

### CORROSION

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D6130	>15	<b>3</b>	0	<1
Aluminum	ppm	ASTM D6130	>10	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D6130	>10	<b>0</b>	<1	<1
Lead	ppm	ASTM D6130	>10	<b>0</b>	0	0
Tin	ppm	ASTM D6130	>10	<b>0</b>	0	0
Zinc	ppm	ASTM D6130		<b>0</b>	0	0

### CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		<b>15</b>	0	0

### CARRIER SALTS

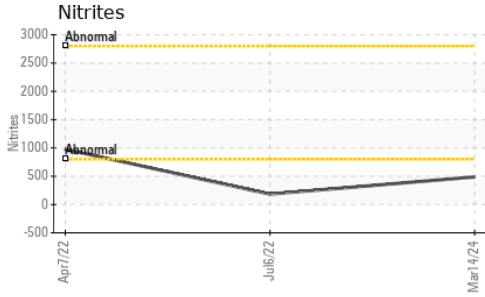
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		<b>28</b>	4	323
Potassium	ppm	ASTM D6130		<b>1467</b>	722	2295


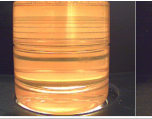
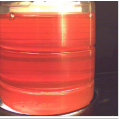
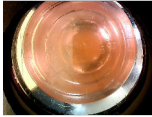
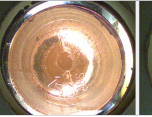
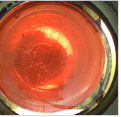
### SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130	>100	<b>0</b>	0	0
Magnesium	ppm	ASTM D6130	>40	<b>0</b>	0	0
Hardness	mg/L CaCO3	*In-house	<75	<b>0</b>	0	---

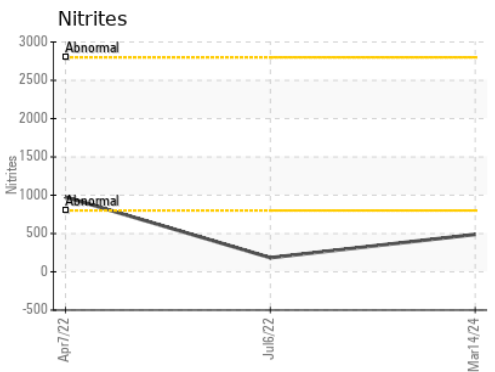
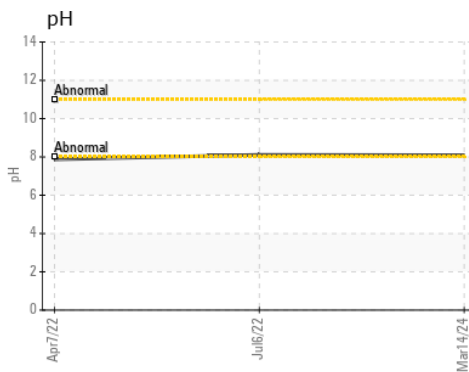
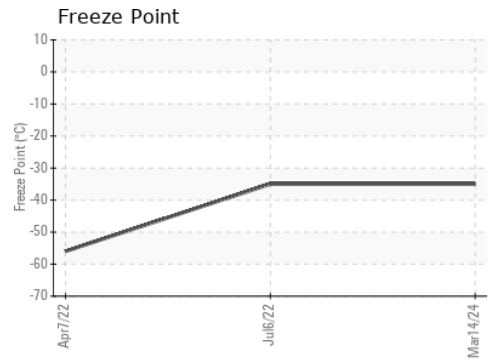
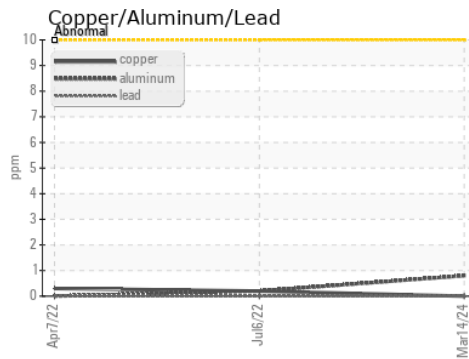
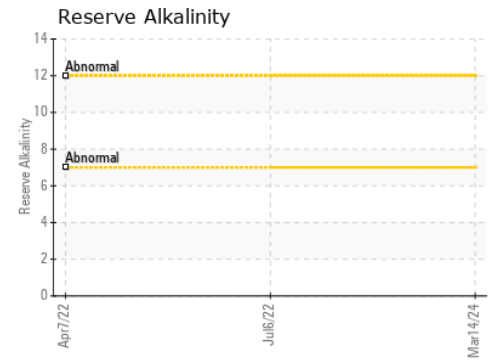
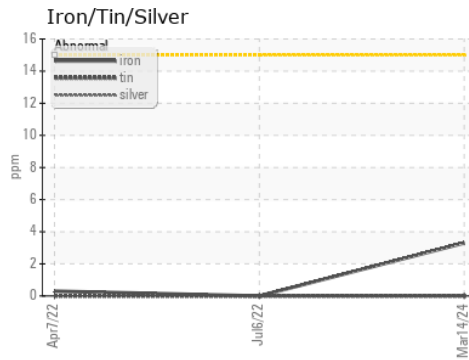


# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Orange	Yellow	Orange
Coolant Appearance	*Visual	Clear	normal	normal	normal
Color					
Bottom					

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : NX015569

**Lab Number** : 06135995

**Unique Number** : 10955460

**Test Package** : COOL ( Additional Tests: GlycolType )

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)

**Received** : 01 Apr 2024

**Tested** : 05 Apr 2024

**Diagnosed** : 05 Apr 2024 - Jonathan Hester

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US 60606

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