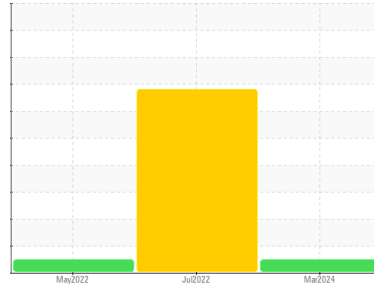




# COOLANT REPORT

## Sample Rating Trend



**NORMAL**



Area  
**THUNDER SPIRIT [200009532]**  
 Machine Id  
**15WEA84034 - CONVERTER (S/N 72802187630)**  
 Component  
**Coolant**  
 Fluid  
**INTERCOOL ETHYLENE GLYCOL (--- 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>NX014495</b>	NX009480	NX004471
Sample Date	Client Info		<b>18 Mar 2024</b>	07 Jul 2022	06 May 2022
Machine Age	hrs	Client Info	<b>57489</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>	SEVERE	NORMAL

### PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		<b>---</b>	---	---
Specific Gravity	*ASTM D1298		<b>1.075</b>	1.075	1.079
pH	Scale 0-14	ASTM D1287	<b>8.36</b>	8.96	7.84
Nitrites	ppm	AP-053:2009	<b>712</b>	300	372
Reserve Alkalinity	Scale 0-20	*ASTM D1121	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321	<b>55.7</b>	55.7	59.3
Freezing Point	°F	ASTM D3321	<b>-47</b>	-47	-56
Total Dissolved Solids			<b>281.5</b>	251.5	324.0
Carboxylate			<b>n/a</b>	n/a	n/a

### CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	<b>19</b>	154	19
Phosphorus	ppm	ASTM D6130	<b>1268</b>	853	1151
Boron	ppm	ASTM D6130	<b>249</b>	308	432
Molybdenum	ppm	ASTM D6130	<b>72</b>	272	1

### CORROSION

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D6130	>15	<b>5</b>	▲ 79	0
Aluminum	ppm	ASTM D6130	>10	<b>&lt;1</b>	▲ 11	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>	6	0

### CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		<b>20</b>	23	0

### CARRIER SALTS

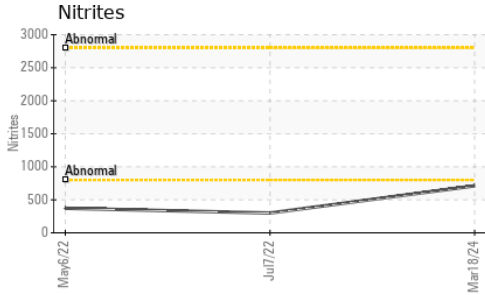
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		<b>544</b>	526	347
Potassium	ppm	ASTM D6130		<b>4190</b>	1950	2491

### 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>	<1	2
Hardness	mg/L CaCO3	*In-house	<75	<b>0</b>	0	---

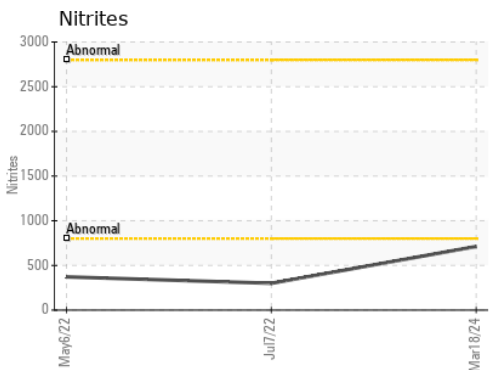
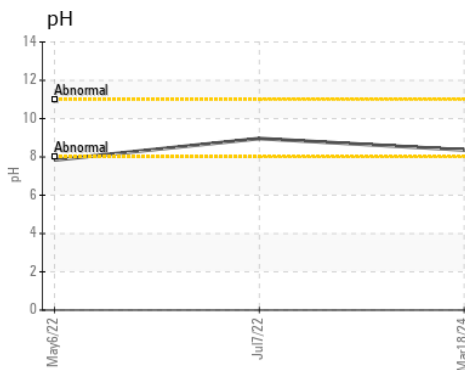
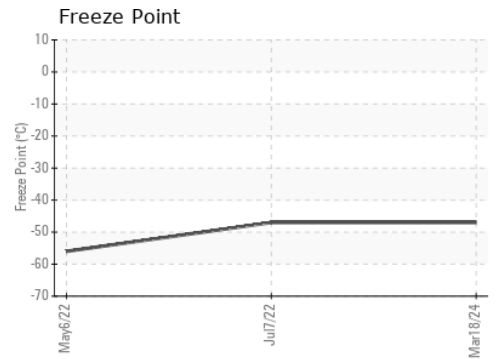
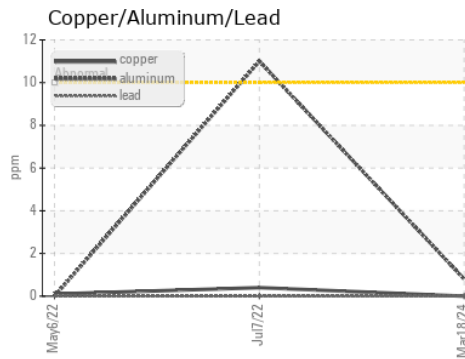
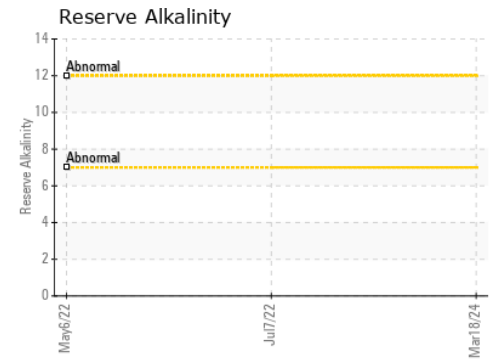
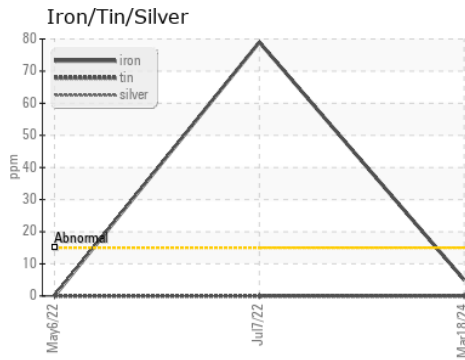


# COOLANT REPORT



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

## GRAPHS



Certificate L2367

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

**Sample No.** : NX014495

**Lab Number** : 06135981

**Unique Number** : 10955446

**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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