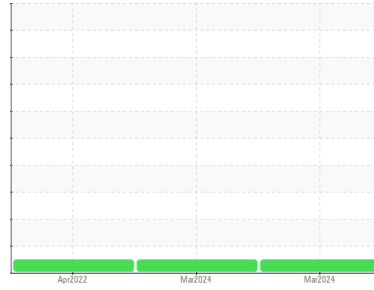




# COOLANT REPORT

### Sample Rating Trend



**NORMAL**



Area  
**THUNDER SPIRIT [200009532]**  
 Machine Id  
**24WEA84004 (S/N 45541)**  
 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>NX015509</b>	NX014482	NX010583
Sample Date	Client Info	<b>19 Mar 2024</b>	19 Mar 2024	26 Apr 2022
Machine Age	hrs Client Info	<b>60652</b>	60652	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>1.078</b>	1.073	1.070
pH	Scale 0-14 ASTM D1287	<b>7.88</b>	7.84	8.00
Nitrites	ppm AP-053:2009	<b>1164</b>	788	148
Reserve Alkalinity	Scale 0-20 *ASTM D1121	<b>---</b>	---	---
Percentage Glycol	% ASTM D3321	<b>59.0</b>	54.5	52.4
Freezing Point	°F ASTM D3321	<b>-56</b>	-45	-40
Total Dissolved Solids		<b>333.5</b>	224.5	69.5
Carboxylate		<b>n/a</b>	n/a	n/a

### CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	<b>11</b>	9	11
Phosphorus	ppm ASTM D6130	<b>1431</b>	1012	121
Boron	ppm ASTM D6130	<b>266</b>	195	86
Molybdenum	ppm ASTM D6130	<b>2</b>	11	10

### CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D6130 >15	<b>3</b>	4	<1
Aluminum	ppm ASTM D6130 >10	<b>&lt;1</b>	<1	<1
Copper	ppm ASTM D6130 >10	<b>0</b>	0	<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	1

### CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130	<b>17</b>	17	0

### CARRIER SALTS

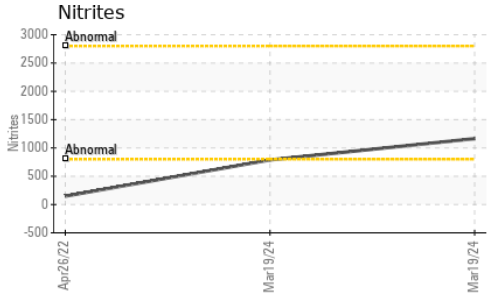
method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	<b>353</b>	219	2
Potassium	ppm ASTM D6130	<b>4674</b>	3482	743

### 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	---

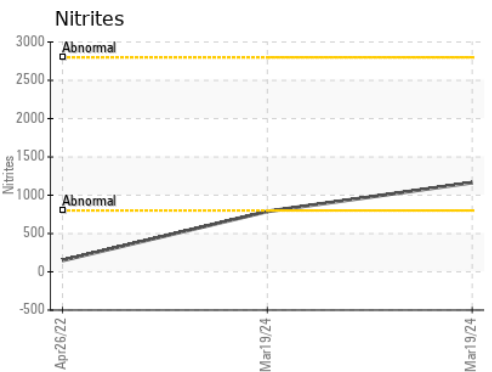
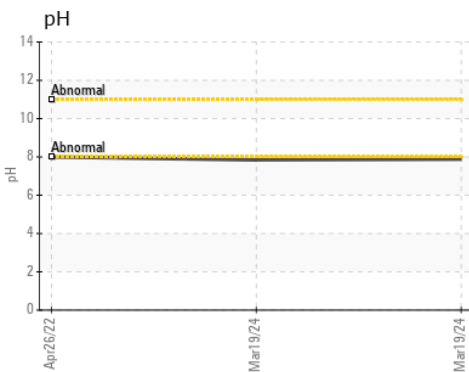
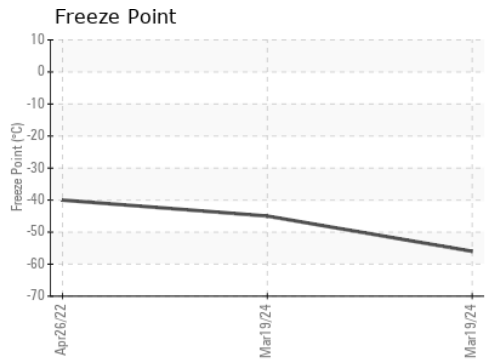
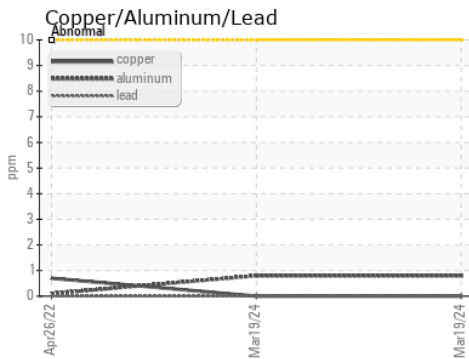
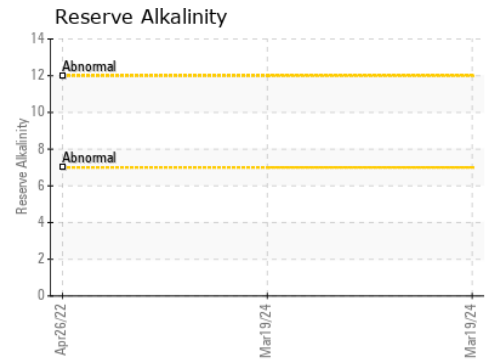
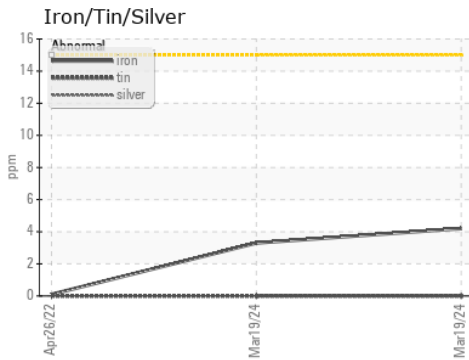


# COOLANT REPORT



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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : NX015509      **Received** : 01 Apr 2024  
**Lab Number** : **06135994**      **Tested** : 05 Apr 2024  
**Unique Number** : 10955459      **Diagnosed** : 05 Apr 2024 - Jonathan Hester  
**Test Package** : COOL ( Additional Tests: GlycolType )

**NORDEX USA - Chicago**  
 300 SOUTH WACKER DRIVE, SUITE 1500  
 CHICAGO, IL 60606  
 Contact: DEVIN LINEHAN  
 DLinehan@nordex-online.com  
 T: (312)386-4124  
 F: (312)386-7102

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)