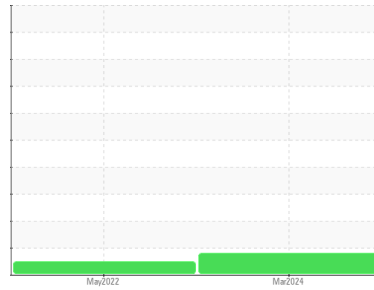




# COOLANT REPORT

Sample Rating Trend



ADDITIVES



Area

**THUNDER SPIRIT [200005313]**

Machine Id

**23WEA84007 - CONVERTER (S/N EWP00683)**

Component

Coolant

Fluid

**EXTENDED LIFE 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		<b>NX014745</b>	NX011205	---
Sample Date	Client Info		<b>01 Mar 2024</b>	09 May 2022	---
Machine Age	hrs	Client Info	<b>58535</b>	0	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>ATTENTION</b>	NORMAL	---

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		<b>1.079</b>	1.079	---
pH	Scale 0-14 ASTM D1287		<b>7.84</b>	7.81	---
Nitrites	ppm AP-053:2009		<b>824</b>	600	---
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		<b>59.2</b>	59.5	---
Freezing Point	°F ASTM D3321		<b>-56</b>	-56	---
Total Dissolved Solids			<b>339.0</b>	312.5	---
Carboxylate			<b>n/a</b>	n/a	---

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130		<b>8</b>	16	---
Phosphorus	ppm ASTM D6130		<b>1537</b>	1005	---
Boron	ppm ASTM D6130		<b>254</b>	420	---
Molybdenum	ppm ASTM D6130		<b>3</b>	2	---

## CORROSION

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

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		<b>18</b>	0	---

## CARRIER SALTS

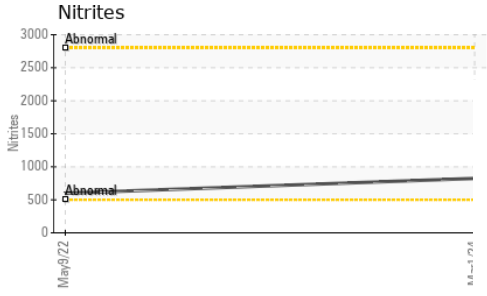
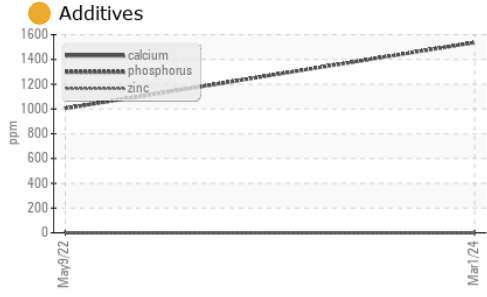
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		<b>355</b>	327	---
Potassium	ppm ASTM D6130		<b>4302</b>	2332	---




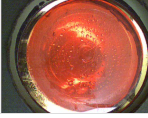
## SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130	>100	<b>&lt;1</b>	0	---
Magnesium	ppm ASTM D6130	>40	<b>&lt;1</b>	<1	---
Hardness	mg/L CaCO3 *In-house	<75	<b>1</b>	---	---

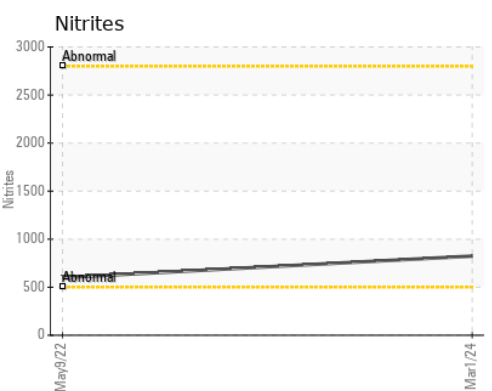
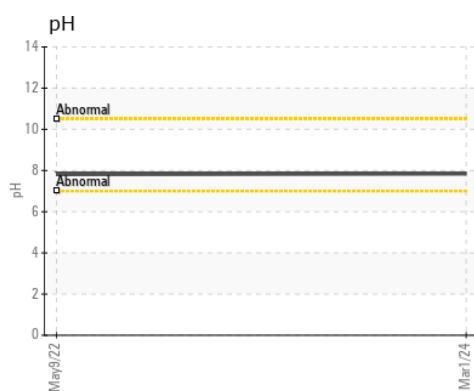
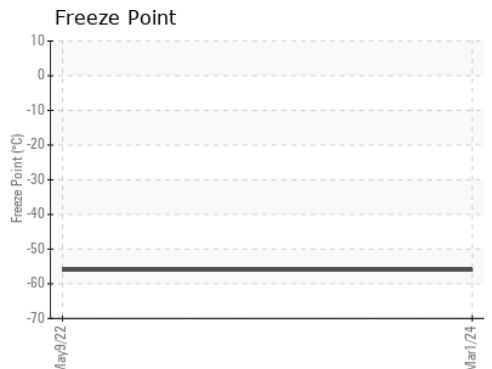
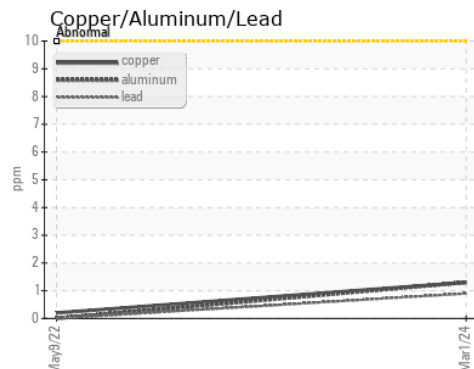
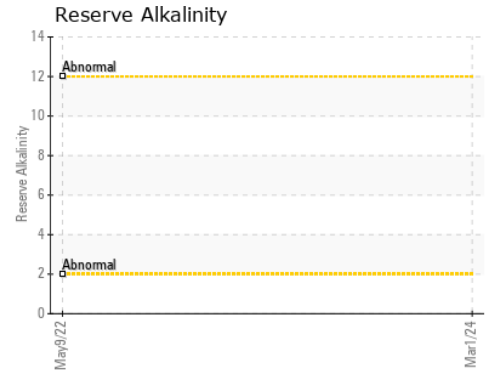
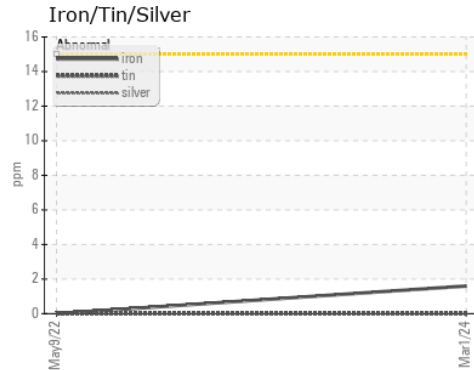


# COOLANT REPORT



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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : NX014745      **Received** : 19 Mar 2024  
**Lab Number** : **06123283**      **Tested** : 23 Jul 2024  
**Unique Number** : 10937434      **Diagnosed** : 23 Jul 2024 - Doug Bogart  
**Test Package** : COOL- ( Additional Tests: GlycolType, HARDNESS, ICP )

**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)