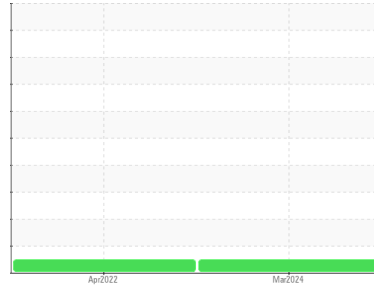




COOLANT REPORT

Sample Rating Trend



NORMAL



Area
THUNDER SPIRIT [200009532]
 Machine Id
27WEA84030 - CONVERTER (S/N EWP01508)
 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		NX014481	NX011208	---
Sample Date	Client Info		13 Mar 2024	07 Apr 2022	---
Machine Age	hrs	Client Info	49200	0	---
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		1.076	1.079	---
pH	Scale 0-14	ASTM D1287	8.69	7.89	---
Nitrites	ppm	AP-053:2009	712	600	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	56.4	59.4	---
Freezing Point	°F	ASTM D3321	-50	-56	---
Total Dissolved Solids			289.5	325.0	---
Carboxylate			n/a	n/a	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	14	18	---
Phosphorus	ppm	ASTM D6130	1042	1110	---
Boron	ppm	ASTM D6130	227	433	---
Molybdenum	ppm	ASTM D6130	97	<1	---

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	8	0
Aluminum	ppm	ASTM D6130	>10	<1	0
Copper	ppm	ASTM D6130	>10	0	<1
Lead	ppm	ASTM D6130	>10	0	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		17	0

CARRIER SALTS

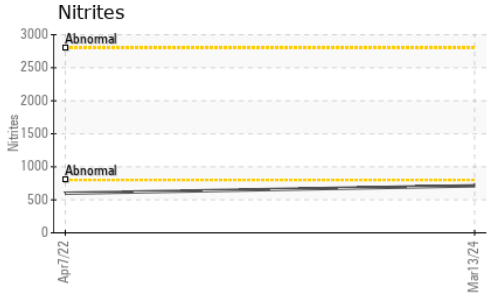
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		495	341
Potassium	ppm	ASTM D6130		4010	2384





SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130	>100	0	0
Magnesium	ppm	ASTM D6130	>40	0	2
Hardness	mg/L CaCO3	*In-house	<75	0	---

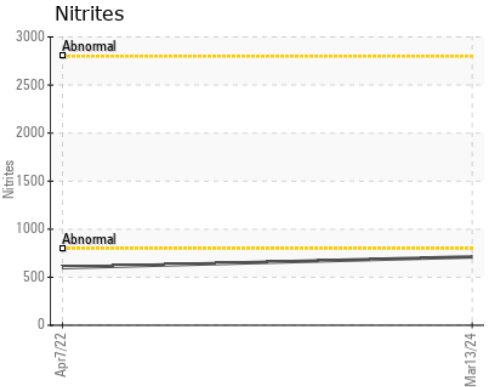
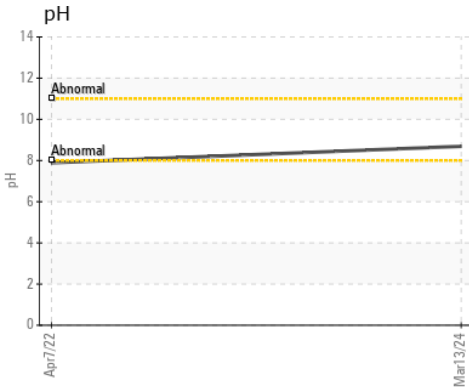
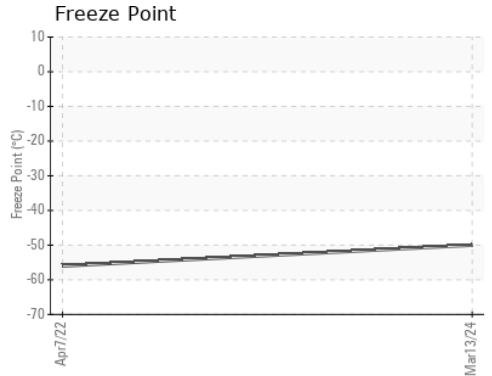
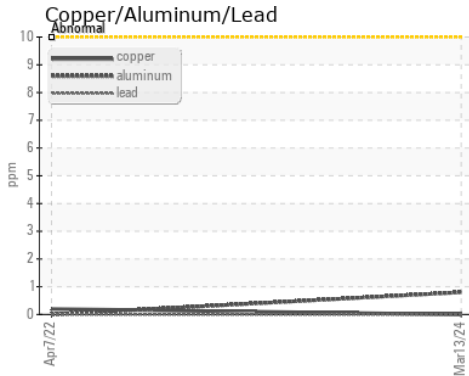
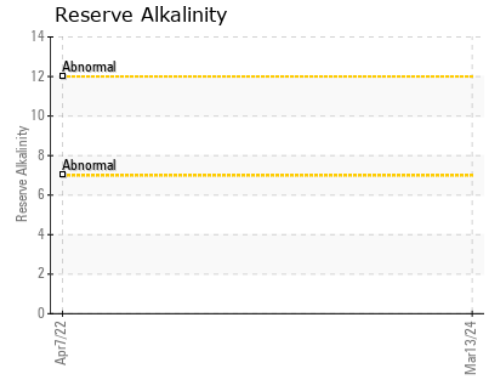
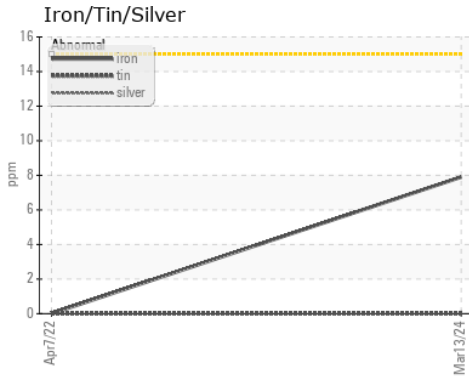


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX014481 **Received** : 01 Apr 2024
Lab Number : **06135982** **Tested** : 05 Apr 2024
Unique Number : 10955447 **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)