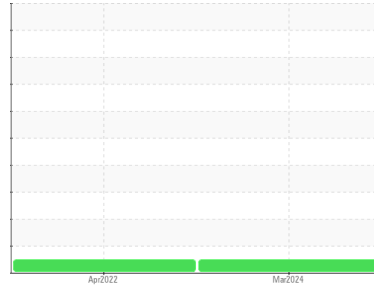




COOLANT REPORT

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	NX014482	NX010583	---
Sample Date	Client Info	19 Mar 2024	26 Apr 2022	---
Machine Age	hrs Client Info	60652	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	1.073	1.070	---
pH	Scale 0-14 ASTM D1287	7.84	8.00	---
Nitrites	ppm AP-053:2009	788	148	---
Reserve Alkalinity	Scale 0-20 *ASTM D1121	---	---	---
Percentage Glycol	% ASTM D3321	54.5	52.4	---
Freezing Point	°F ASTM D3321	-45	-40	---
Total Dissolved Solids		224.5	69.5	---
Carboxylate		n/a	n/a	---

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	9	11	---
Phosphorus	ppm ASTM D6130	1012	121	---
Boron	ppm ASTM D6130	195	86	---
Molybdenum	ppm ASTM D6130	11	10	---

CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D6130 >15	4	<1	---
Aluminum	ppm ASTM D6130 >10	<1	<1	---
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	1	---

CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130	17	0	---

CARRIER SALTS

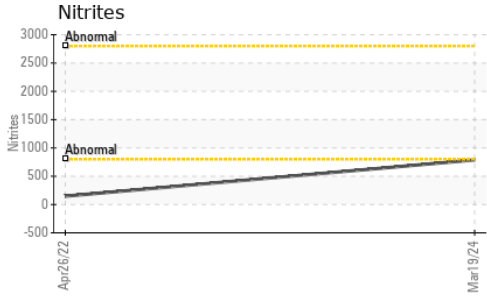
method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	219	2	---
Potassium	ppm ASTM D6130	3482	743	---


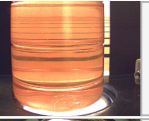


SCALE POTENTIAL

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

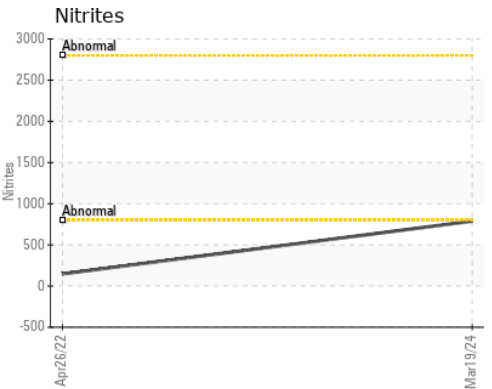
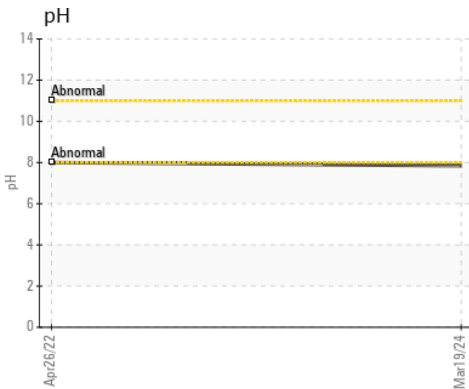
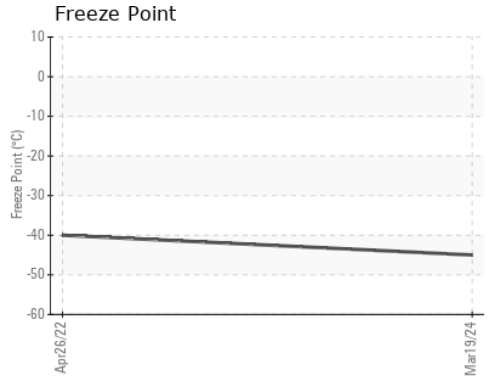
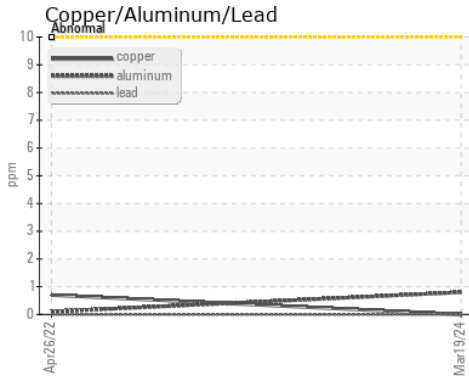
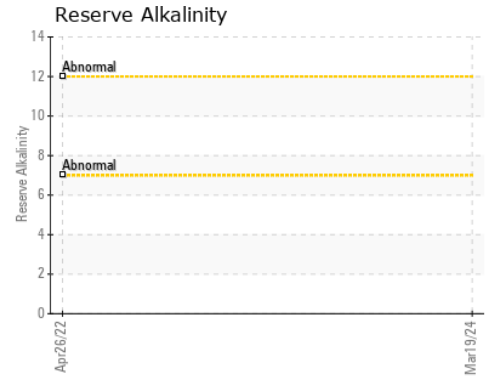
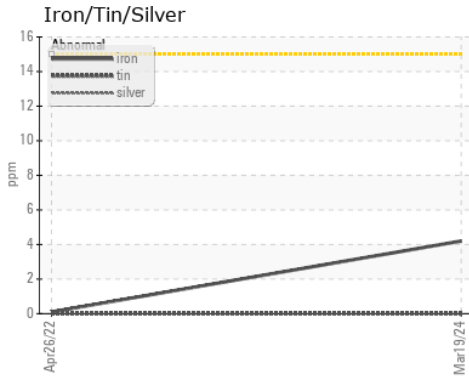


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX014482 **Received** : 01 Apr 2024
Lab Number : 06135989 **Tested** : 05 Apr 2024
Unique Number : 10955454 **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

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)

T: (312)386-4124
 F: (312)386-7102