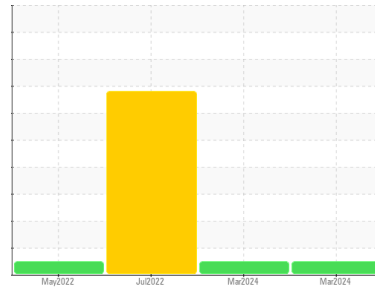




COOLANT REPORT

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		NX014474	NX014495	NX009480
Sample Date	Client Info		18 Mar 2024	18 Mar 2024	07 Jul 2022
Machine Age	hrs	Client Info	57489	57489	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	SEVERE

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		1.077	1.075	1.075
pH	Scale 0-14	ASTM D1287	7.88	8.36	8.96
Nitrites	ppm	AP-053:2009	936	712	300
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	57.9	55.7	55.7
Freezing Point	°F	ASTM D3321	-52	-47	-47
Total Dissolved Solids			334.0	281.5	251.5
Carboxylate			n/a	n/a	n/a

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	7	19	154
Phosphorus	ppm	ASTM D6130	1685	1268	853
Boron	ppm	ASTM D6130	279	249	308
Molybdenum	ppm	ASTM D6130	2	72	272

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130 >15	3	5	▲ 79
Aluminum	ppm	ASTM D6130 >10	<1	<1	▲ 11
Copper	ppm	ASTM D6130 >10	0	0	<1
Lead	ppm	ASTM D6130 >10	0	0	0
Tin	ppm	ASTM D6130 >10	0	0	0
Zinc	ppm	ASTM D6130	0	0	6

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130	21	20	23

CARRIER SALTS

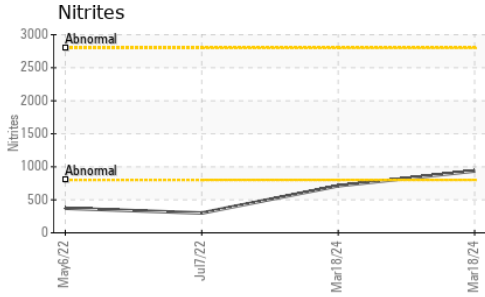
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Sodium	ppm	ASTM D6130	387	544	526
Potassium	ppm	ASTM D6130	5116	4190	1950



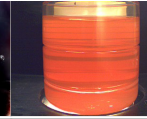


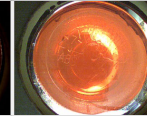
SCALE POTENTIAL

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

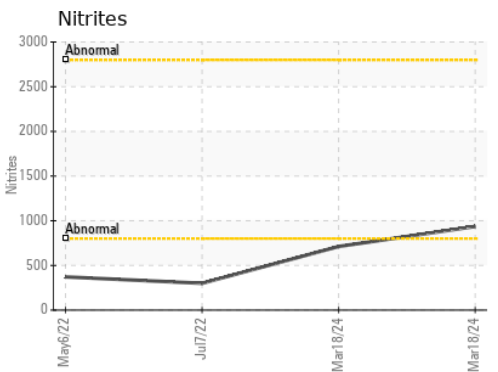
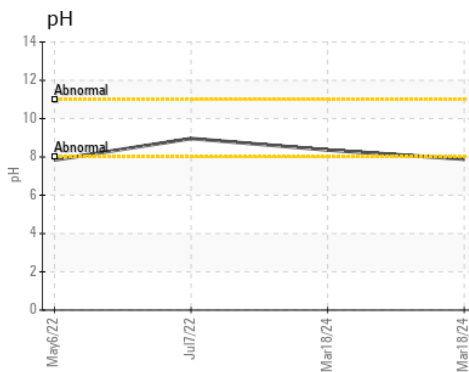
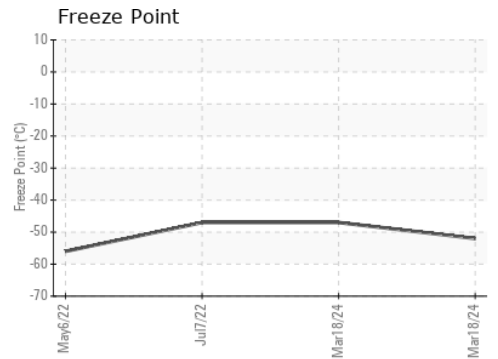
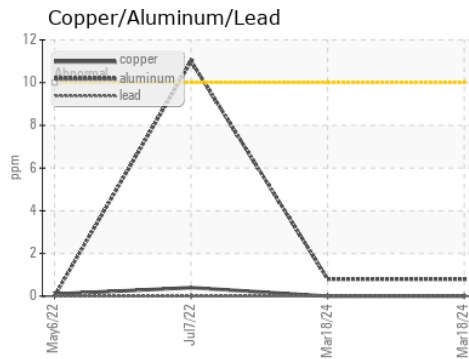
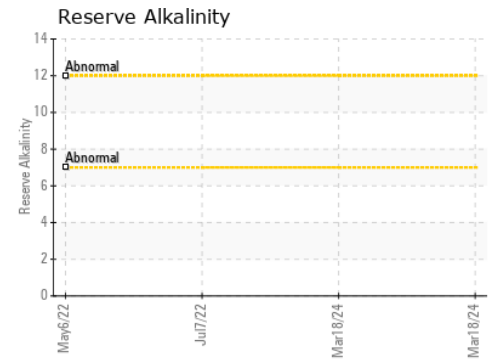
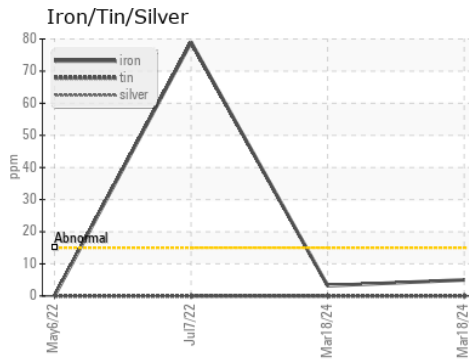


COOLANT REPORT



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

GRAPHS



Certificate L2367

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

Sample No. : NX014474

Lab Number : 06135985

Unique Number : 10955450

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

NORDEX USA - Chicago

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