



COOLANT REPORT

CORROSION	SEVERE
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
THUNDER SPIRIT [200005313]
 Machine Id
26WEA84036 - GEN (S/N 72802187603)
 Component
Coolant
 Fluid
EXTENDED LIFE COOLANT (--- QTS)

RECOMMENDATION

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		NX014743	NX010580	---
Sample Date		Client Info		12 Feb 2024	18 Apr 2022	---
Machine Age	hrs	Client Info		59995	0	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Sample Status				SEVERE	SEVERE	---

CORROSION

Metal levels indicate corrosion in the cooling system.

Iron	ppm	ASTM D6130	>15	▲ 57	▲ 177	---
Aluminum	ppm	ASTM D6130	>10	▲ 23	▲ 49	---
Copper	ppm	ASTM D6130	>10	2	<1	---
Lead	ppm	ASTM D6130	>10	1	<1	---
Tin	ppm	ASTM D6130	>10	0	0	---
Zinc	ppm	ASTM D6130	>10	10	24	---

CONTAMINANTS

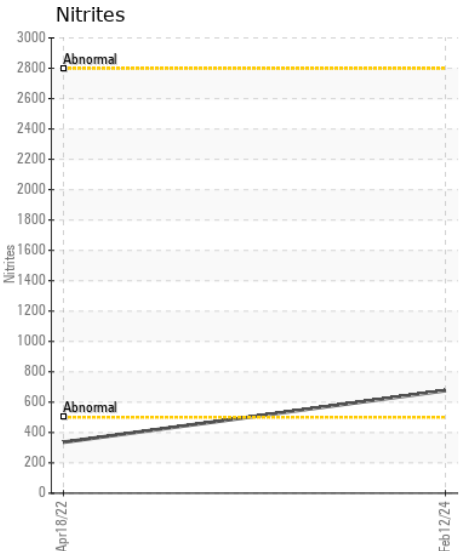
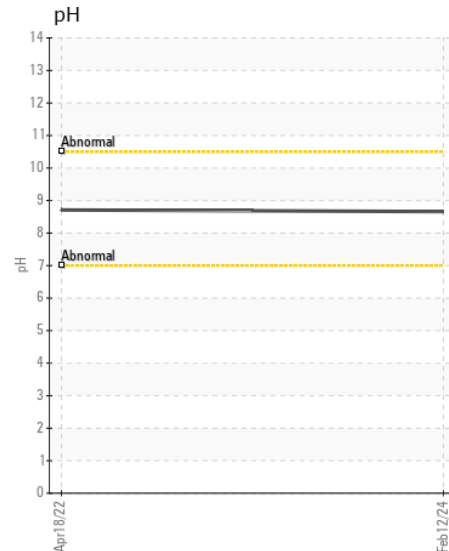
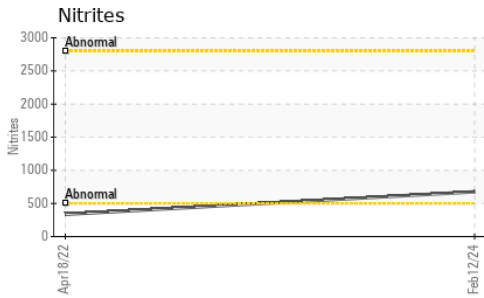
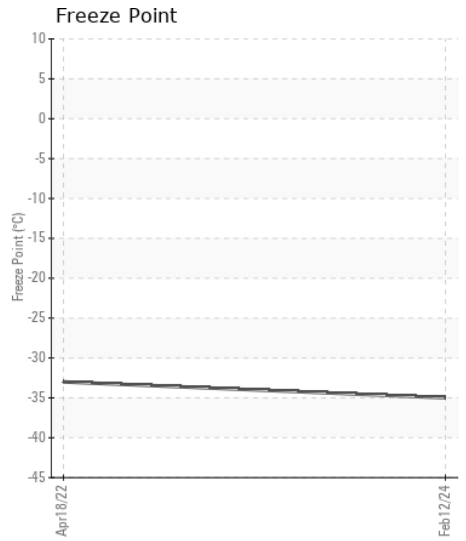
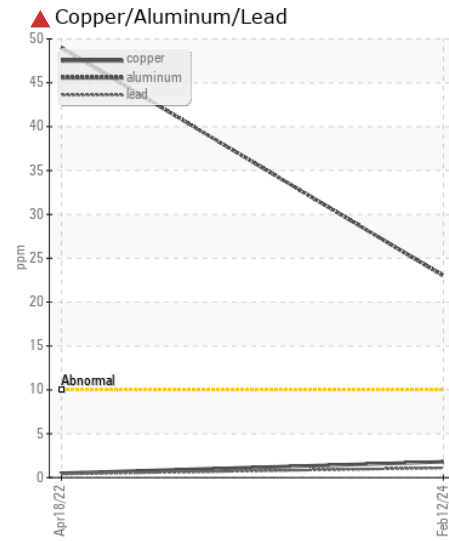
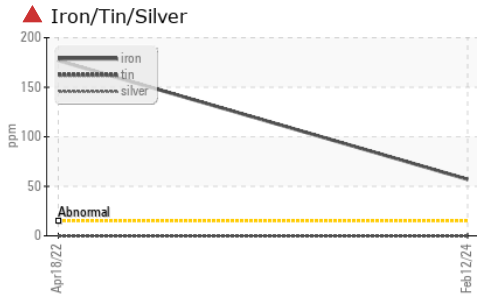
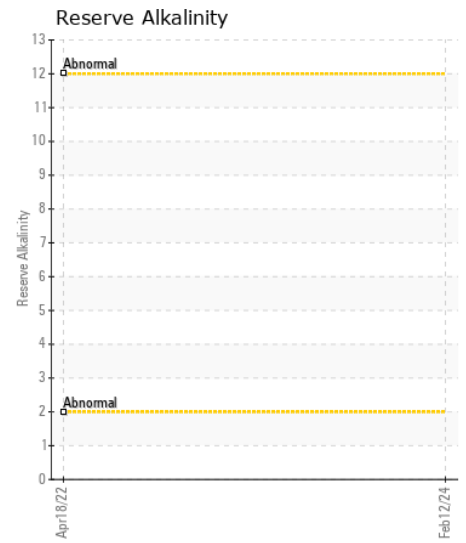
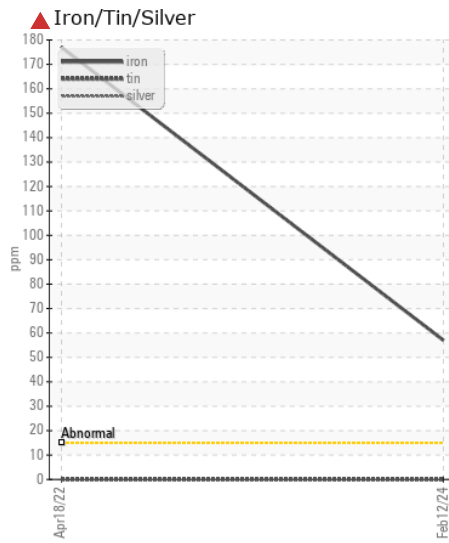
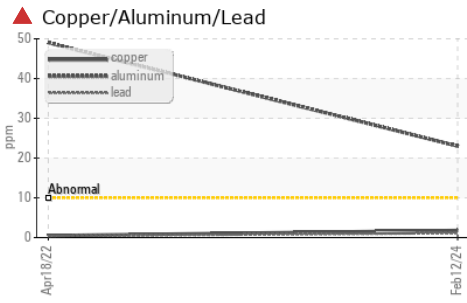
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		1	<1	---
Chlorine	ppm	ASTM D6130		44	0	---
Magnesium	ppm	ASTM D6130		1	3	---
Total Dissolved Solids				214.5	212.0	---
Coolant Appearance		*Visual	Clear	normal	hazy	---

COOLANT CONDITION

Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

Boiling Point	°C	WC Method		225	---	---
Specific Gravity		*ASTM D1298		1.068	1.067	---
pH	Scale 0-14	ASTM D1287		8.66	8.71	---
Nitrites	ppm	AP-053:2009		676	336	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		50.4	49.5	---
Freezing Point	°F	ASTM D3321		-35	-33	---
Carboxylate				n/a	n/a	---
Silicon	ppm	ASTM D6130		59	142	---
Phosphorus	ppm	ASTM D6130		674	468	---
Boron	ppm	ASTM D6130		108	170	---
Molybdenum	ppm	ASTM D6130		309	621	---
Sodium	ppm	ASTM D6130		756	781	---
Potassium	ppm	ASTM D6130		1864	1119	---
Coolant Color		*Visual		Orange	Orange	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX014743
Lab Number : 06123294
Unique Number : 10937445
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

NORDEX USA - Chicago
 300 SOUTH WACKER DRIVE, SUITE 1500
 CHICAGO, IL
 US 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)