



COOLANT REPORT

CORROSION	SEVERE
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
THUNDER SPIRIT [200005313]
 Machine Id
37WEA84033 - GEN (S/N 72802187543)
 Component
Coolant
 Fluid
CONVENTIONAL 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		NX015539	NX004477	---
Sample Date		Client Info		28 Feb 2024	08 Apr 2022	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Sample Status				SEVERE	ABNORMAL	---

CORROSION

Metal levels indicate corrosion in the cooling system.

Iron	ppm	ASTM D6130	>15	▲ 36	▲ 65	---
Aluminum	ppm	ASTM D6130	>10	2	1	---
Copper	ppm	ASTM D6130	>10	1	<1	---
Lead	ppm	ASTM D6130	>10	1	0	---
Tin	ppm	ASTM D6130	>10	0	0	---
Zinc	ppm	ASTM D6130	>10	5	7	---

CONTAMINANTS

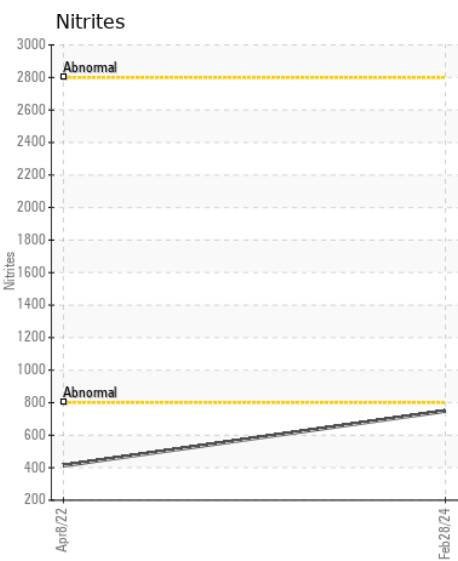
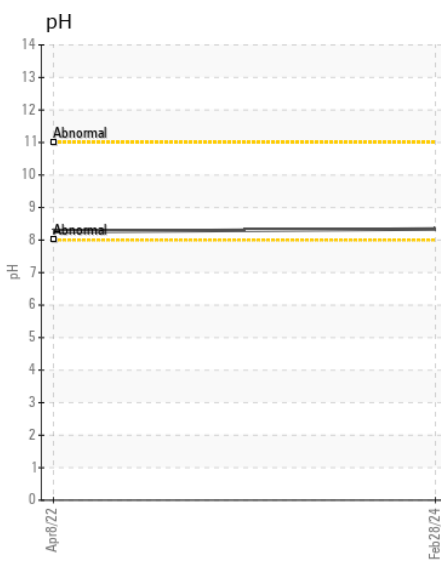
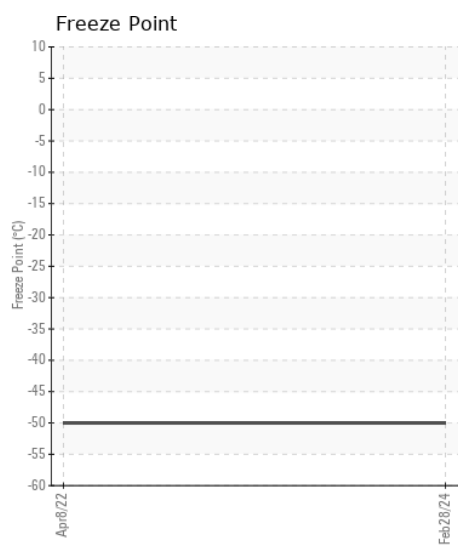
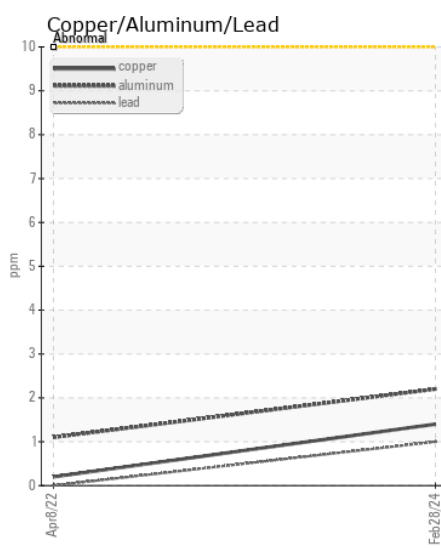
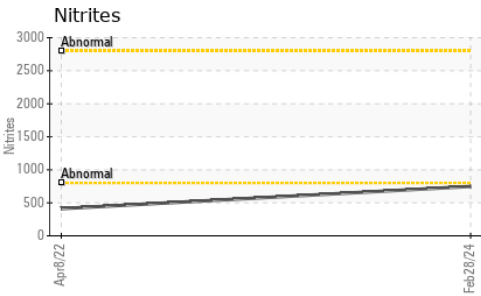
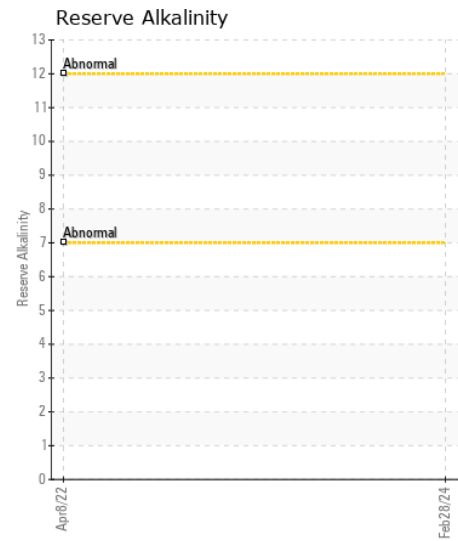
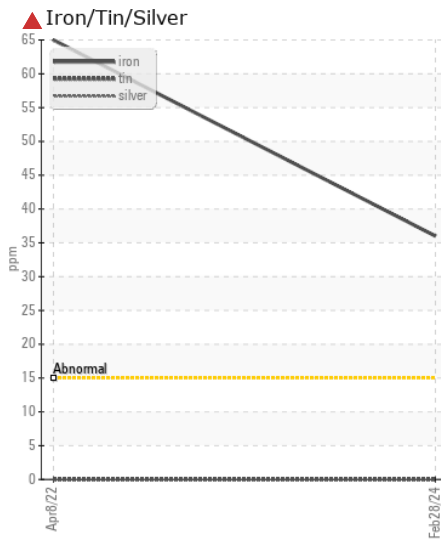
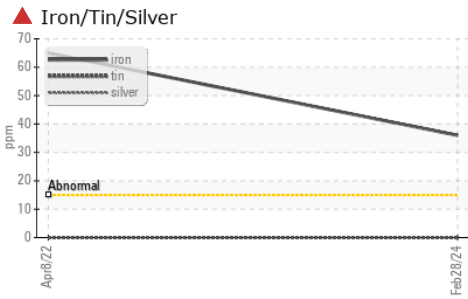
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		<1	0	---
Chlorine	ppm	ASTM D6130		25	0	---
Magnesium	ppm	ASTM D6130		<1	<1	---
Total Dissolved Solids				259.5	289.0	---
Coolant Appearance		*Visual	Clear	normal	normal	---

COOLANT CONDITION

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

Boiling Point	°C	WC Method		228	---	---
Specific Gravity		*ASTM D1298		1.076	1.076	---
pH	Scale 0-14	ASTM D1287		8.34	8.26	---
Nitrites	ppm	AP-053:2009		748	412	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		56.4	56.5	---
Freezing Point	°F	ASTM D3321		-50	-50	---
Carboxylate				n/a	n/a	---
Silicon	ppm	ASTM D6130		67	94	---
Phosphorus	ppm	ASTM D6130		1093	841	---
Boron	ppm	ASTM D6130		182	328	---
Molybdenum	ppm	ASTM D6130		135	270	---
Sodium	ppm	ASTM D6130		522	548	---
Potassium	ppm	ASTM D6130		3141	1999	---
Coolant Color		*Visual		Pink	Orange	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX015539
Lab Number : 06123296
Unique Number : 10937447
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

Received : 19 Mar 2024
Tested : 21 Mar 2024
Diagnosed : 22 Mar 2024 - Jonathan Hester

NORDEX USA - Chicago
 300 SOUTH WACKER DRIVE, SUITE 1500
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 US 60606

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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)