



COOLANT REPORT

CORROSION	SEVERE
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
THUNDER SPIRIT [200009532]
 Machine Id
33WEA84023 - CONVERTER (S/N EWP01526)
 Component
Coolant
 Fluid
INTERCOOL ETHYLENE GLYCOL (--- QTS)

RECOMMENDATION

We recommend drain/flush system, and refill with 50/50 antifreeze water mixture.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		NX015502	NX011217	---
Sample Date		Client Info		11 Apr 2024	07 Apr 2022	---
Machine Age	hrs	Client Info		60451	0	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Sample Status				SEVERE	NORMAL	---

CORROSION

Metal levels are high indicating corrosion in the cooling system.

Iron	ppm	ASTM D6130	>15	▲ 135	<1	---
Aluminum	ppm	ASTM D6130	>10	7	<1	---
Copper	ppm	ASTM D6130	>10	4	<1	---
Lead	ppm	ASTM D6130	>10	0	0	---
Tin	ppm	ASTM D6130	>10	0	0	---
Zinc	ppm	ASTM D6130	>10	10	0	---

CONTAMINANTS

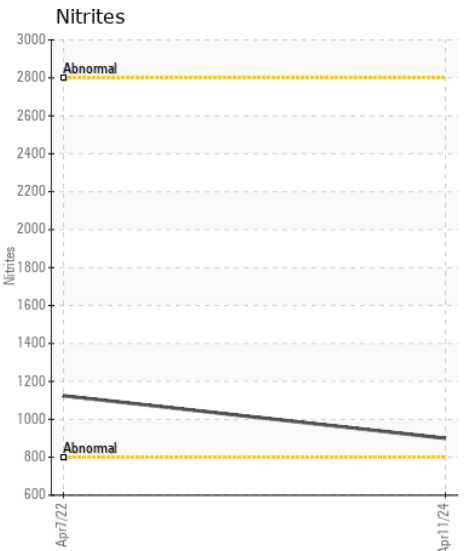
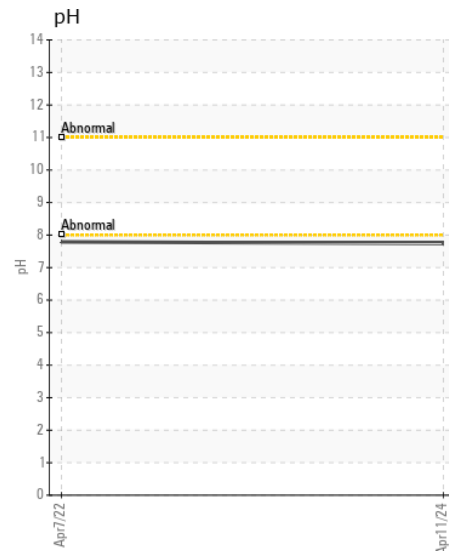
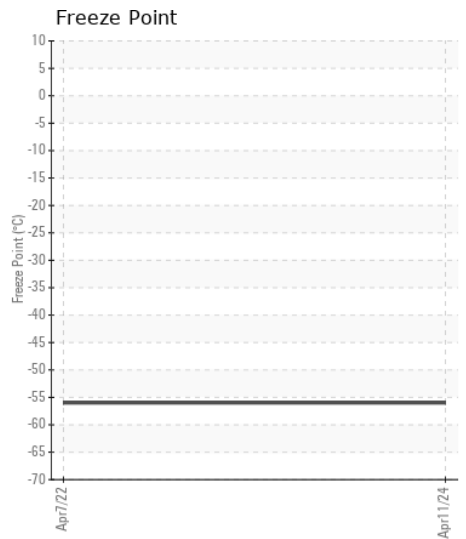
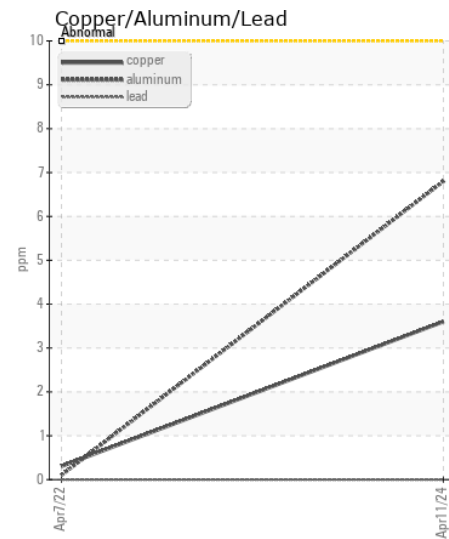
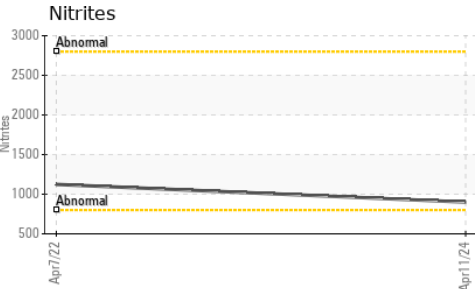
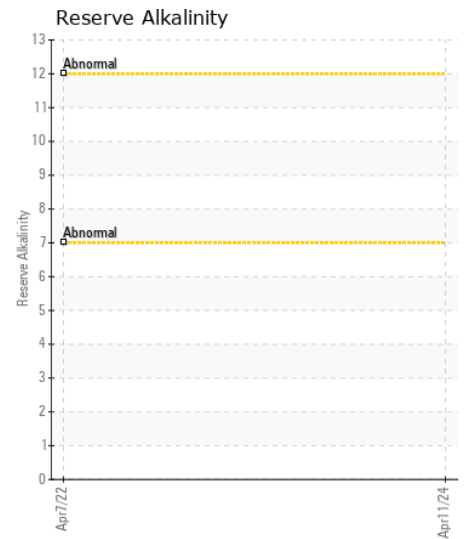
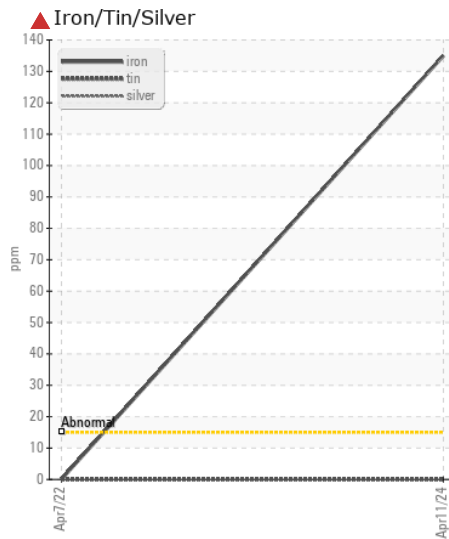
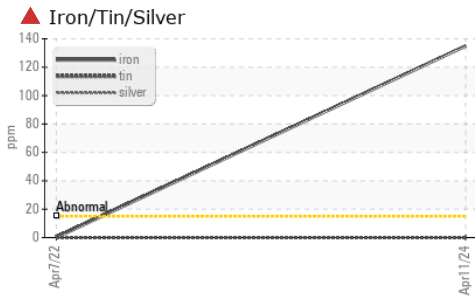
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		<1	0	---
Chlorine	ppm	ASTM D6130		12	0	---
Magnesium	ppm	ASTM D6130		1	2	---
Total Dissolved Solids				269.0	326.5	---
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		229	---	---
Specific Gravity		*ASTM D1298		1.079	1.079	---
pH	Scale 0-14	ASTM D1287		7.74	7.79	---
Nitrites	ppm	AP-053:2009		900	1124	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		59.5	59.5	---
Freezing Point	°F	ASTM D3321		-56	-56	---
Carboxylate				n/a	n/a	---
Silicon	ppm	ASTM D6130		140	19	---
Phosphorus	ppm	ASTM D6130		1170	1391	---
Boron	ppm	ASTM D6130		306	429	---
Molybdenum	ppm	ASTM D6130		314	1	---
Sodium	ppm	ASTM D6130		1043	341	---
Potassium	ppm	ASTM D6130		4025	2408	---
Coolant Color		*Visual		Orange	Orange	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX015502
Lab Number : 06190894
Unique Number : 11047646
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

Received : 24 May 2024
Tested : 30 May 2024
Diagnosed : 30 May 2024 - Jonathan Hester

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

Contact: DEREK BRACKEL
 DBRACKEL@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)

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