



# COOLANT REPORT

CORROSION	<b>SEVERE</b>
CONTAMINANTS	<b>NORMAL</b>
COOLANT CONDITION	<b>NORMAL</b>

Area  
**THUNDER SPIRIT [200009532]**  
 Machine Id  
**02WEA84039 - GEN (S/N 72802187616)**  
 Component  
**Coolant**  
 Fluid  
**INTERCOOL NFE-55 AA (--- 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		<b>NX015520</b>	---	---
Sample Date		Client Info		<b>01 May 2024</b>	---	---
Machine Age	hrs	Client Info		<b>58580</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>SEVERE</b>	---	---

## CORROSION

Metal levels are high indicating corrosion in the cooling system.

Iron	ppm	ASTM D6130	>15	<b>▲ 164</b>	---	---
Aluminum	ppm	ASTM D6130	>10	<b>2</b>	---	---
Copper	ppm	ASTM D6130	>10	<b>1</b>	---	---
Lead	ppm	ASTM D6130	>10	<b>0</b>	---	---
Tin	ppm	ASTM D6130	>10	<b>0</b>	---	---
Zinc	ppm	ASTM D6130	>10	<b>16</b>	---	---

## CONTAMINANTS

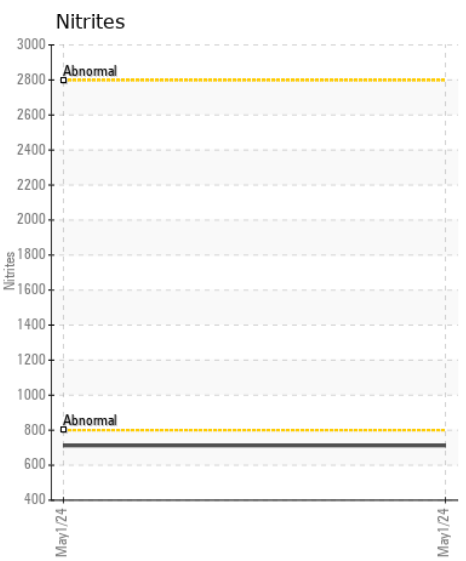
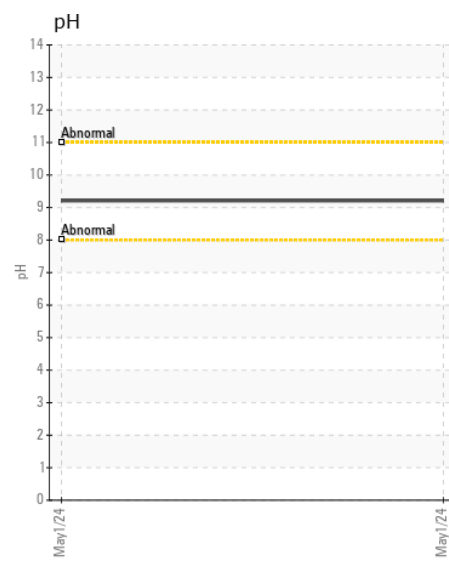
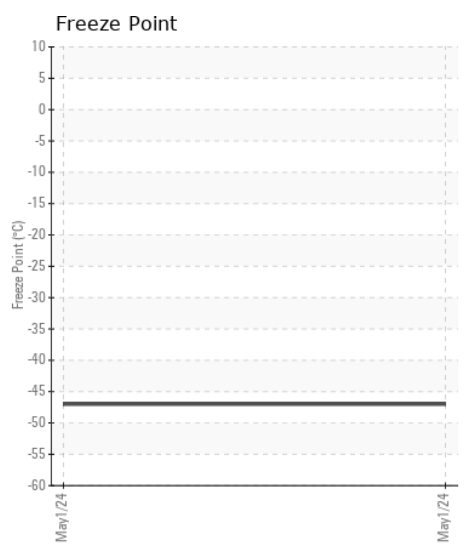
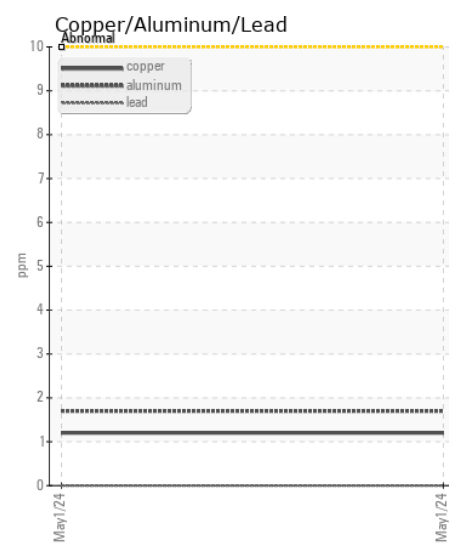
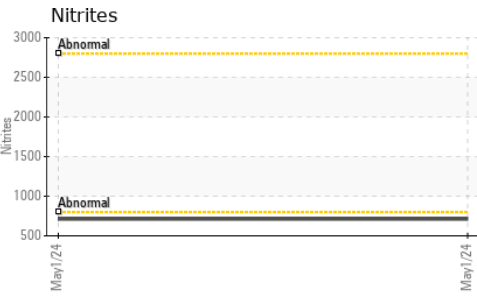
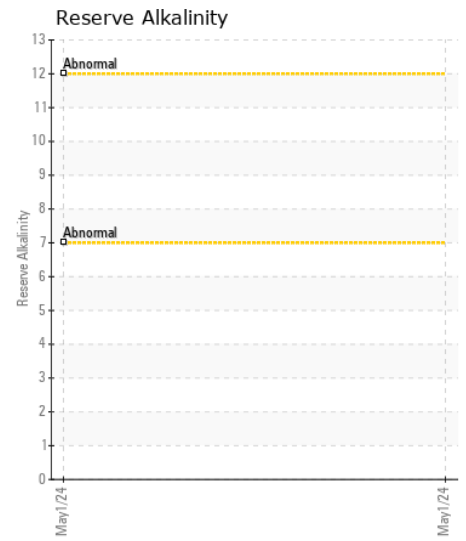
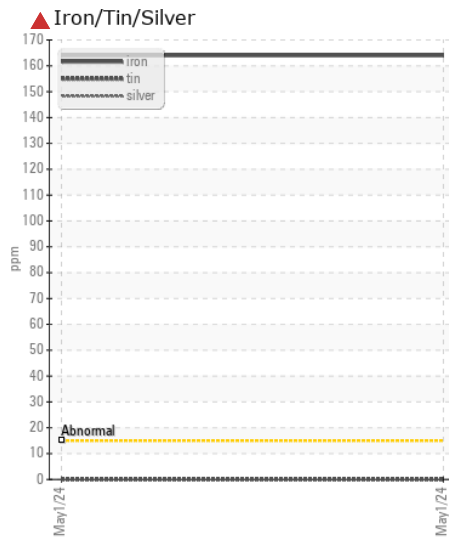
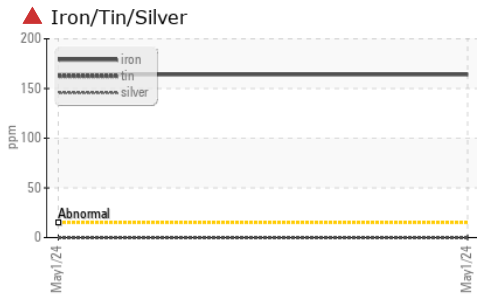
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		<b>&lt;1</b>	---	---
Chlorine	ppm	ASTM D6130		<b>10</b>	---	---
Magnesium	ppm	ASTM D6130		<b>2</b>	---	---
Total Dissolved Solids				<b>226.5</b>	---	---
Coolant Appearance		*Visual	Clear	<b>normal</b>	---	---

## COOLANT CONDITION

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

Boiling Point	°C	WC Method		<b>227</b>	---	---
Specific Gravity		*ASTM D1298		<b>1.074</b>	---	---
pH	Scale 0-14	ASTM D1287		<b>9.21</b>	---	---
Nitrites	ppm	AP-053:2009		<b>712</b>	---	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121		<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321		<b>55.4</b>	---	---
Freezing Point	°F	ASTM D3321		<b>-47</b>	---	---
Carboxylate				<b>n/a</b>	---	---
Silicon	ppm	ASTM D6130		<b>95</b>	---	---
Phosphorus	ppm	ASTM D6130		<b>1367</b>	---	---
Boron	ppm	ASTM D6130		<b>290</b>	---	---
Molybdenum	ppm	ASTM D6130		<b>287</b>	---	---
Sodium	ppm	ASTM D6130		<b>970</b>	---	---
Potassium	ppm	ASTM D6130		<b>4005</b>	---	---
Coolant Color		*Visual		<b>Orange</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : NX015520 **Received** : 24 May 2024  
**Lab Number** : 06190893 **Tested** : 30 May 2024  
**Unique Number** : 11047645 **Diagnosed** : 30 May 2024 - Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP )

**NORDEX USA - Chicago**  
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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)