



# COOLANT REPORT

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

Area  
**THUNDER SPIRIT [200009532]**  
 Machine Id  
**21WEA84042 - GEN (S/N 72802187761)**  
 Component  
**Coolant**  
 Fluid  
**INTERCOOL ETHYLENE GLYCOL (--- QTS)**

## RECOMMENDATION

The fluid is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>NX014746</b>	NX015549	NX013557
Sample Date		Client Info		<b>09 Apr 2024</b>	07 Mar 2024	05 Jun 2023
Machine Age	hrs	Client Info		<b>61607</b>	60957	55551
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	MARGINAL	ABNORMAL

## CORROSION

All metal levels are normal indicating no corrosion in the cooling system.

Iron	ppm	ASTM D6130	>15	<b>4</b>	▲ 26	▲ 51
Aluminum	ppm	ASTM D6130	>10	<b>0</b>	1	2
Copper	ppm	ASTM D6130	>10	<b>1</b>	5	0
Lead	ppm	ASTM D6130	>10	<b>0</b>	<1	0
Tin	ppm	ASTM D6130	>10	<b>0</b>	0	<1
Zinc	ppm	ASTM D6130	>10	<b>0</b>	<1	10

## CONTAMINANTS

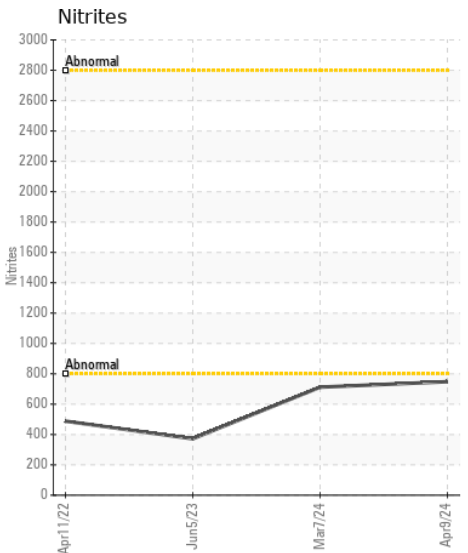
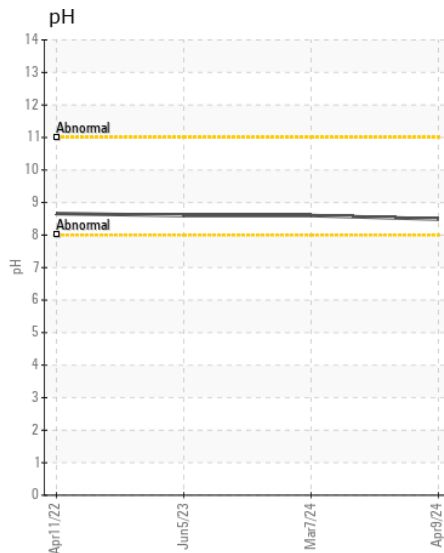
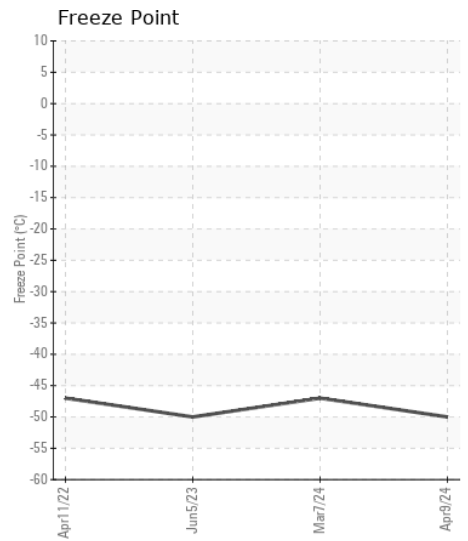
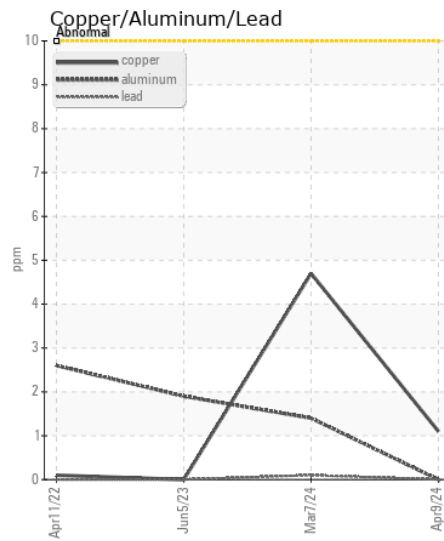
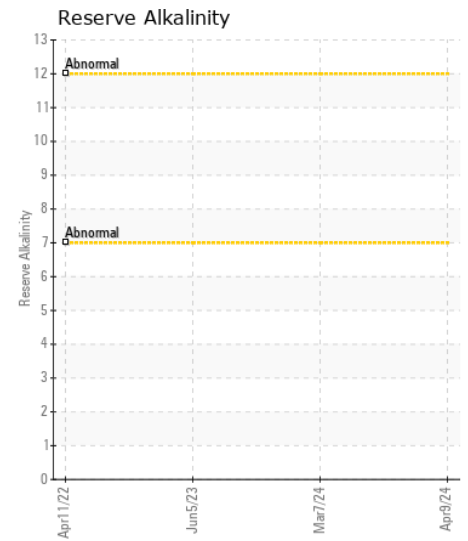
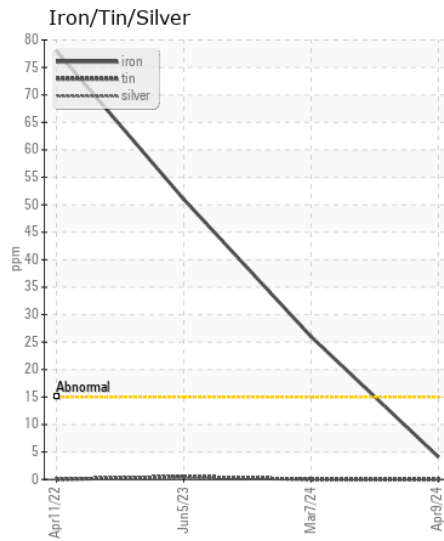
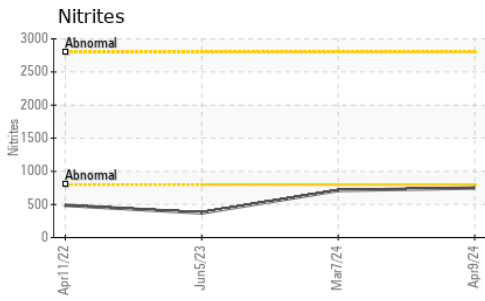
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		<b>0</b>	0	<1
Chlorine	ppm	ASTM D6130		<b>8</b>	19	23
Magnesium	ppm	ASTM D6130		<b>&lt;1</b>	0	<1
Total Dissolved Solids				<b>206.5</b>	222.5	255.5
Coolant Appearance		*Visual	Clear	<b>normal</b>	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		<b>228</b>	227	---
Specific Gravity		*ASTM D1298		<b>1.075</b>	1.074	1.075
pH	Scale 0-14	ASTM D1287		<b>8.49</b>	8.60	8.60
Nitrites	ppm	AP-053:2009		<b>748</b>	712	372
Reserve Alkalinity	Scale 0-20	*ASTM D1121		<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321		<b>56.0</b>	55.3	56.0
Freezing Point	°F	ASTM D3321		<b>-50</b>	-47	-50
Carboxylate				<b>n/a</b>	n/a	n/a
Silicon	ppm	ASTM D6130		<b>24</b>	32	46
Phosphorus	ppm	ASTM D6130		<b>1360</b>	1022	1627
Boron	ppm	ASTM D6130		<b>294</b>	199	312
Molybdenum	ppm	ASTM D6130		<b>186</b>	142	264
Sodium	ppm	ASTM D6130		<b>805</b>	540	931
Potassium	ppm	ASTM D6130		<b>3698</b>	3497	5083
Coolant Color		*Visual		<b>Pink</b>	Orange	Pink



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : NX014746  
**Lab Number** : 06190903  
**Unique Number** : 11047655  
**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  
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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)

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