



# COOLANT REPORT

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

Area  
**THUNDER SPIRIT [200009532]**  
 Machine Id  
**11WEA84027 - CONVERTER (S/N EWP07525)**  
 Component  
**Coolant**  
 Fluid  
**INTERCOOL NFE-55 AA (--- QTS)**

## RECOMMENDATION

The fluid is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>NX016637</b>	NX015525	NX011690
Sample Date		Client Info		<b>10 May 2024</b>	10 May 2024	17 Mar 2023
Machine Age	hrs	Client Info		<b>614445</b>	6545	0
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>	NORMAL	NORMAL

## CORROSION

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

Iron	ppm	ASTM D6130	>15	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D6130	>10	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D6130	>10	<b>1</b>	1	1
Lead	ppm	ASTM D6130	>10	<b>0</b>	0	<1
Tin	ppm	ASTM D6130	>10	<b>0</b>	0	0
Zinc	ppm	ASTM D6130	>10	<b>0</b>	0	0

## CONTAMINANTS

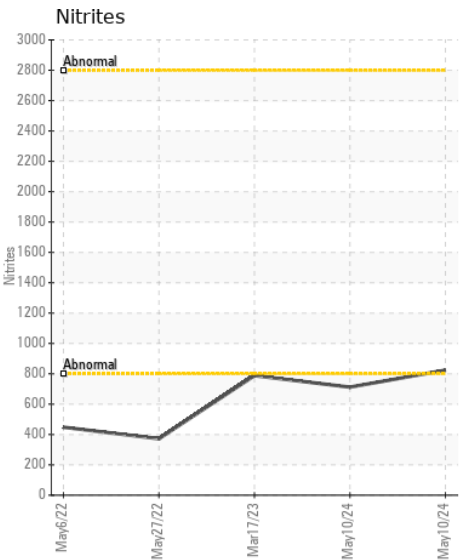
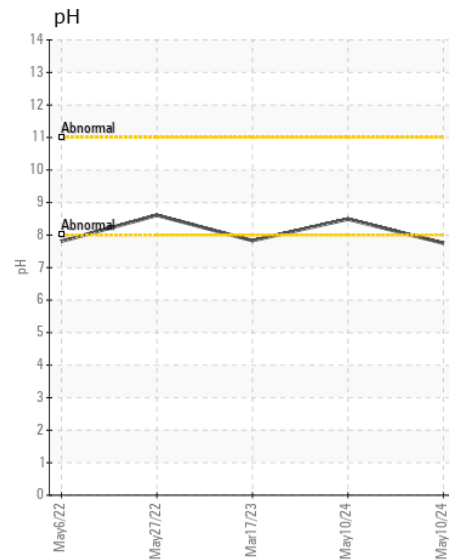
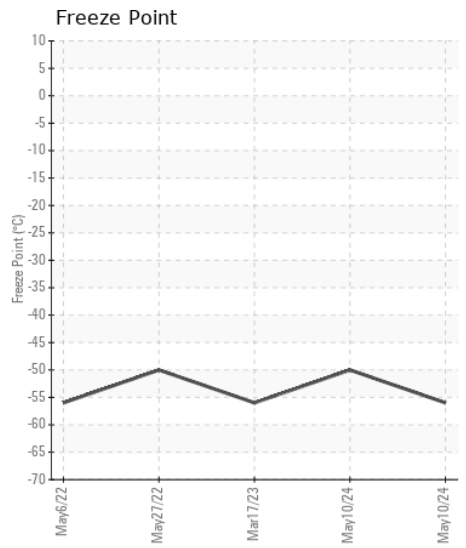
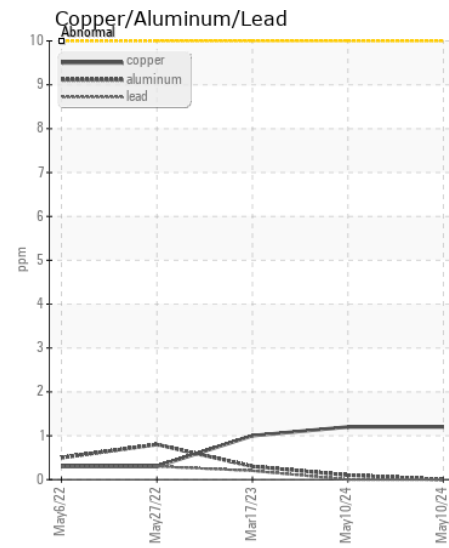
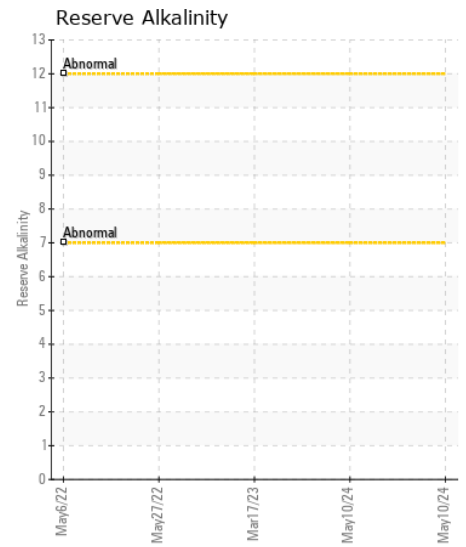
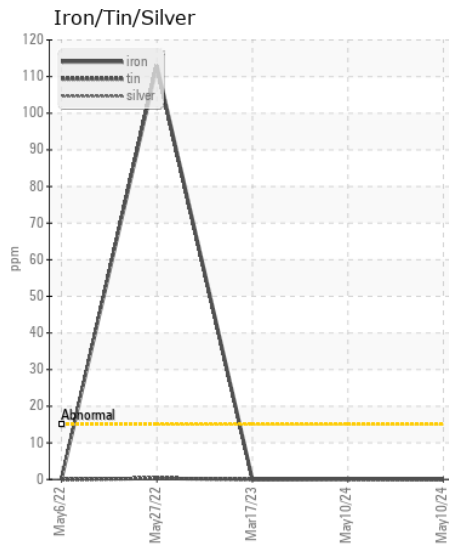
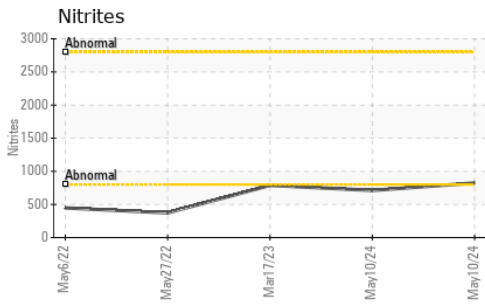
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		<b>0</b>	0	0
Chlorine	ppm	ASTM D6130		<b>0</b>	0	10
Magnesium	ppm	ASTM D6130		<b>2</b>	2	2
Total Dissolved Solids				<b>298.0</b>	227.5	328.0
Coolant Appearance		*Visual	Clear	<b>normal</b>	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		<b>229</b>	228	---
Specific Gravity		*ASTM D1298		<b>1.079</b>	1.076	1.079
pH	Scale 0-14	ASTM D1287		<b>7.75</b>	8.49	7.83
Nitrites	ppm	AP-053:2009		<b>824</b>	712	788
Reserve Alkalinity	Scale 0-20	*ASTM D1121		<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321		<b>59.6</b>	56.6	59.6
Freezing Point	°F	ASTM D3321		<b>-56</b>	-50	-56
Carboxylate				<b>n/a</b>	n/a	n/a
Silicon	ppm	ASTM D6130		<b>19</b>	13	23
Phosphorus	ppm	ASTM D6130		<b>2074</b>	2260	2985
Boron	ppm	ASTM D6130		<b>423</b>	424	463
Molybdenum	ppm	ASTM D6130		<b>29</b>	26	10
Sodium	ppm	ASTM D6130		<b>561</b>	557	636
Potassium	ppm	ASTM D6130		<b>5598</b>	5918	9588
Coolant Color		*Visual		<b>Red</b>	Orange	Red



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : NX016637  
**Lab Number** : 06190906  
**Unique Number** : 11047658  
**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)