



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
THUNDER SPIRIT [200009532]
 Machine Id
22WEA84043 - CONVERTER (S/N 72802187617)
 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		NX016646	NX011160	---
Sample Date		Client Info		29 Apr 2024	09 May 2022	---
Machine Age	hrs	Client Info		60876	0	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

CORROSION

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

Iron	ppm	ASTM D6130	>15	18	0	---
Aluminum	ppm	ASTM D6130	>10	0	0	---
Copper	ppm	ASTM D6130	>10	2	<1	---
Lead	ppm	ASTM D6130	>10	0	<1	---
Tin	ppm	ASTM D6130	>10	0	0	---
Zinc	ppm	ASTM D6130	>10	2	0	---

CONTAMINANTS

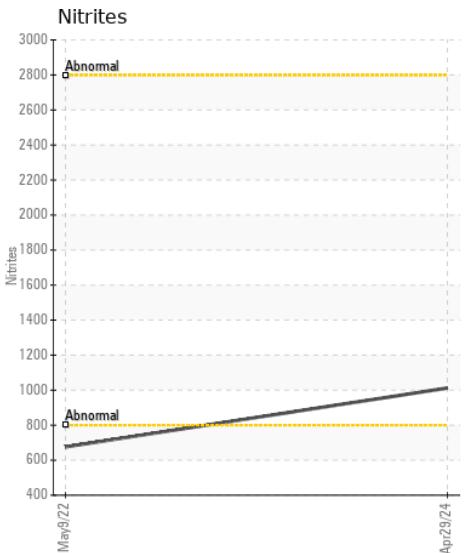
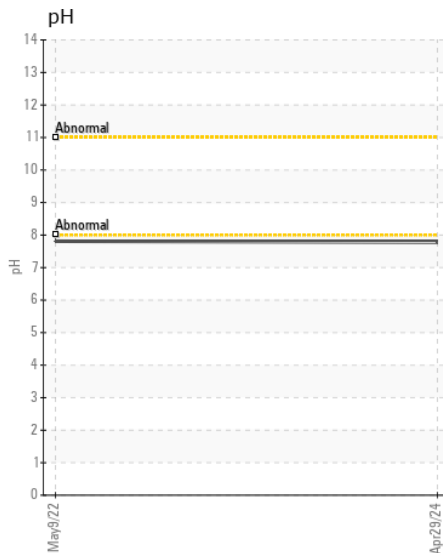
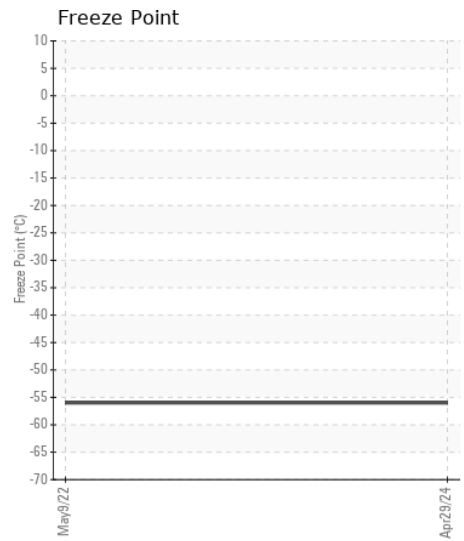
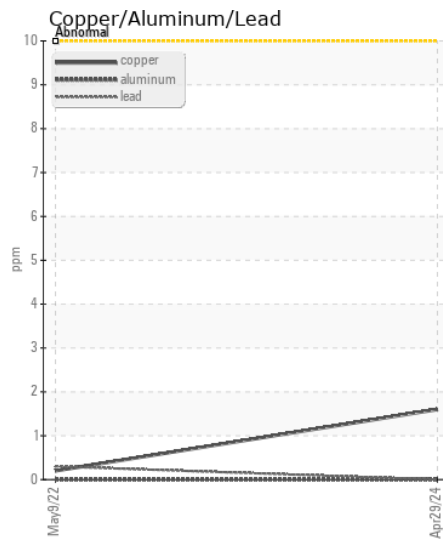
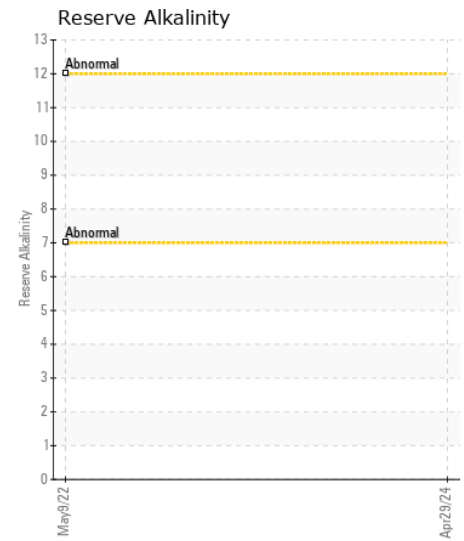
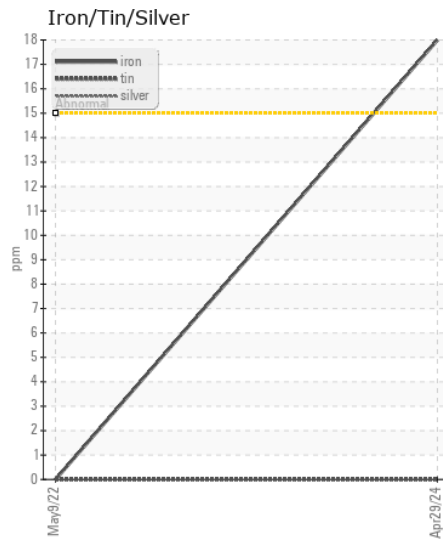
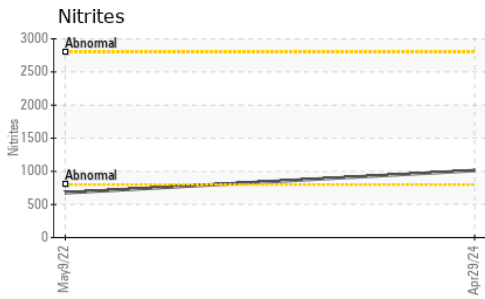
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		0	0	---
Chlorine	ppm	ASTM D6130		14	0	---
Magnesium	ppm	ASTM D6130		1	2	---
Total Dissolved Solids				244.5	325.0	---
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		229	---	---
Specific Gravity		*ASTM D1298		1.079	1.079	---
pH	Scale 0-14	ASTM D1287		7.78	7.81	---
Nitrites	ppm	AP-053:2009		1012	676	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		59.3	59.4	---
Freezing Point	°F	ASTM D3321		-56	-56	---
Carboxylate				n/a	n/a	---
Silicon	ppm	ASTM D6130		65	23	---
Phosphorus	ppm	ASTM D6130		1617	1052	---
Boron	ppm	ASTM D6130		304	427	---
Molybdenum	ppm	ASTM D6130		350	3	---
Sodium	ppm	ASTM D6130		1044	337	---
Potassium	ppm	ASTM D6130		4224	2296	---
Coolant Color		*Visual		Orange	Orange	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX016646
Lab Number : 06190898
Unique Number : 11047650
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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