



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

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		NX015525	NX011690	NX011149
Sample Date		Client Info		10 May 2024	17 Mar 2023	27 May 2022
Machine Age	hrs	Client Info		6545	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

CORROSION

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

Iron	ppm	ASTM D6130	>15	0	0	▲ 113
Aluminum	ppm	ASTM D6130	>10	0	<1	<1
Copper	ppm	ASTM D6130	>10	1	1	<1
Lead	ppm	ASTM D6130	>10	0	<1	<1
Tin	ppm	ASTM D6130	>10	0	0	<1
Zinc	ppm	ASTM D6130	>10	0	0	9

CONTAMINANTS

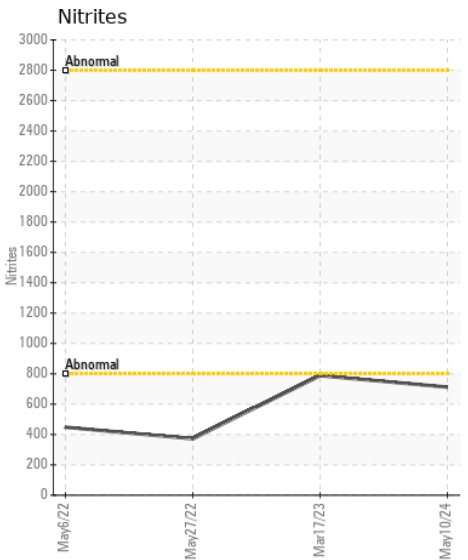
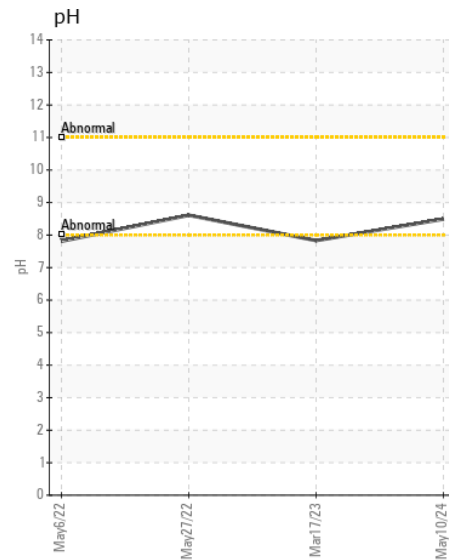
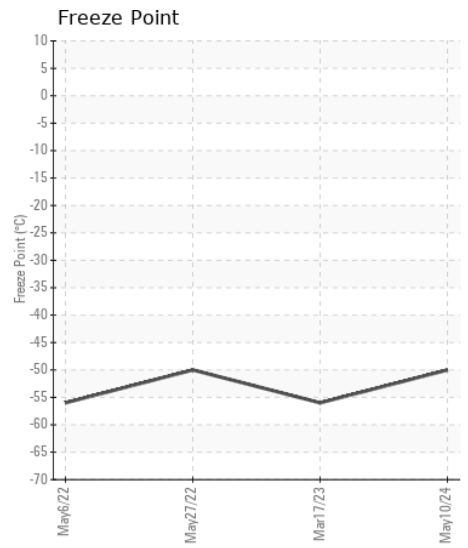
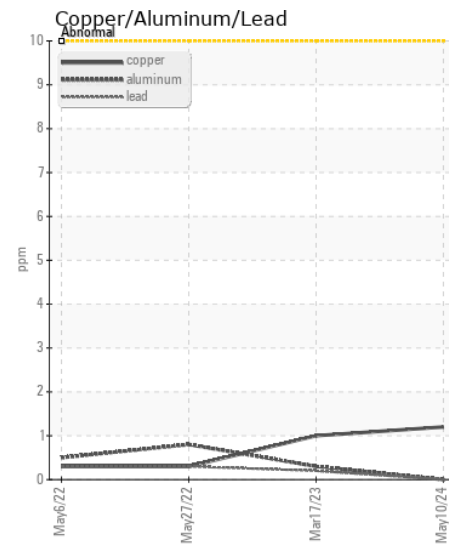
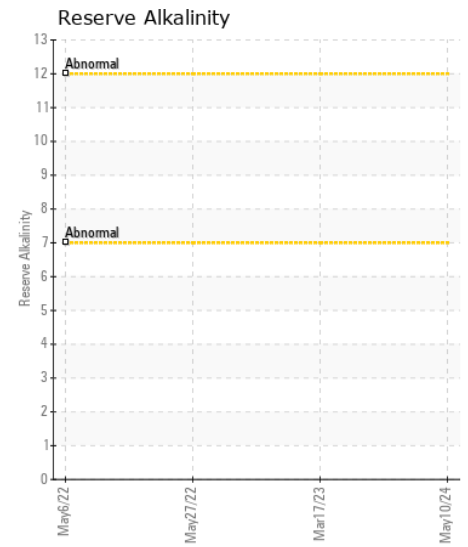
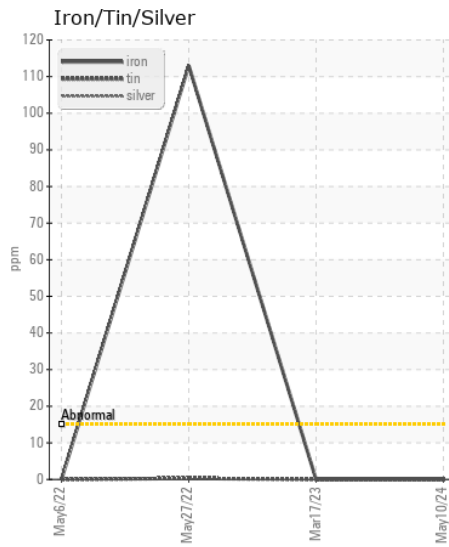
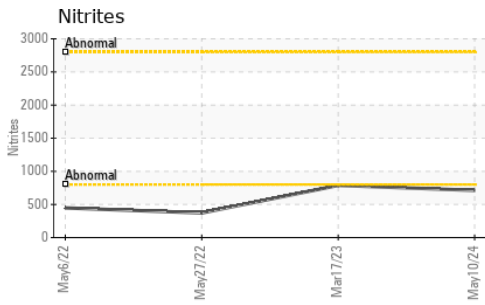
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		0	0	2
Chlorine	ppm	ASTM D6130		0	10	21
Magnesium	ppm	ASTM D6130		2	2	<1
Total Dissolved Solids				227.5	328.0	258.5
Coolant Appearance		*Visual	Clear	normal	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		228	---	---
Specific Gravity		*ASTM D1298		1.076	1.079	1.075
pH	Scale 0-14	ASTM D1287		8.49	7.83	8.61
Nitrites	ppm	AP-053:2009		712	788	372
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		56.6	59.6	56.2
Freezing Point	°F	ASTM D3321		-50	-56	-50
Carboxylate				n/a	n/a	n/a
Silicon	ppm	ASTM D6130		13	23	82
Phosphorus	ppm	ASTM D6130		2260	2985	902
Boron	ppm	ASTM D6130		424	463	247
Molybdenum	ppm	ASTM D6130		26	10	204
Sodium	ppm	ASTM D6130		557	636	547
Potassium	ppm	ASTM D6130		5918	9588	1790
Coolant Color		*Visual		Orange	Red	Orange



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX015525
Lab Number : 06190901
Unique Number : 11047653
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)

T: (701)209-0326
 F: (312)386-7102