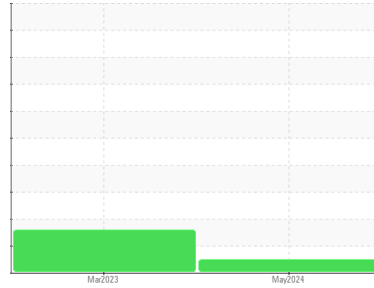




COOLANT REPORT

Sample Rating Trend



NORMAL



Area
DAKOTA RANGE III [600446296]
 Machine Id
11WEA87771 - B-05-A
 Component
Coolant
 Fluid
CLARIANT ANTIFROGEN N (--- LTR)

DIAGNOSIS

Recommendation

The fluid is suitable for further service.

Corrosion

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

Contaminants

There is no indication of any contamination in the coolant.

Coolant Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	NX015982	NX05852726	---
Sample Date	Client Info	16 May 2024	08 Mar 2023	---
Machine Age	hrs	Client Info	22360	12798
Oil Age	hrs	Client Info	9604	0
Oil Changed	Client Info	Not Chngd	N/A	---
Sample Status		NORMAL	ABNORMAL	---

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2	
Glycol Type	FT-IR	---	---	---	
Specific Gravity	*ASTM D1298	1.11	1.067	1.067	
pH	Scale 0-14	ASTM D1287	8.5	7.87	8.39
Nitrites	ppm	AP-053:2009		372	72
Reserve Alkalinity	Scale 0-20	*ASTM D1121	4.0	---	---
Percentage Glycol	%	ASTM D3321	44	49.6	49.7
Freezing Point	°F	ASTM D3321	-32	-33	-33
Total Dissolved Solids				245.5	268.5
Carboxylate				n/a	n/a

CORROSION INHIBITORS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	3	<1	14
Phosphorus	ppm	ASTM D6130	5	0	90
Boron	ppm	ASTM D6130	15	0	20
Molybdenum	ppm	ASTM D6130	110	159	450

CORROSION

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D6130	>15	0	▲ 17
Aluminum	ppm	ASTM D6130	>10	4	▲ 44
Copper	ppm	ASTM D6130	>10	0	1
Lead	ppm	ASTM D6130	>10	0	1
Tin	ppm	ASTM D6130	>10	0	2
Zinc	ppm	ASTM D6130		0	4

CONTAMINANTS

method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		0	42

CARRIER SALTS

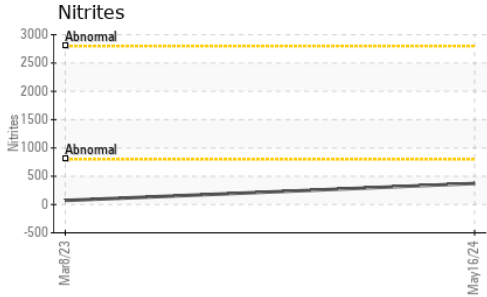
method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130	2400	3552	5423
Potassium	ppm	ASTM D6130	5	262	685


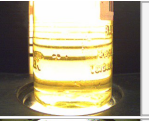


SCALE POTENTIAL

method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130		<1	1
Magnesium	ppm	ASTM D6130		0	1

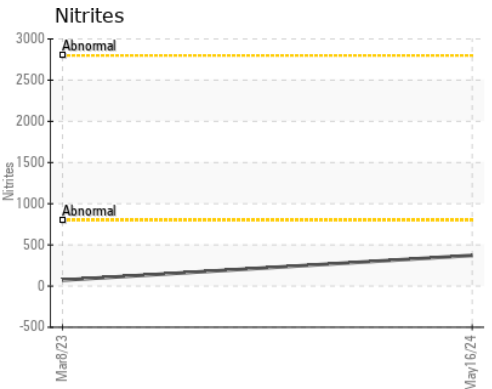
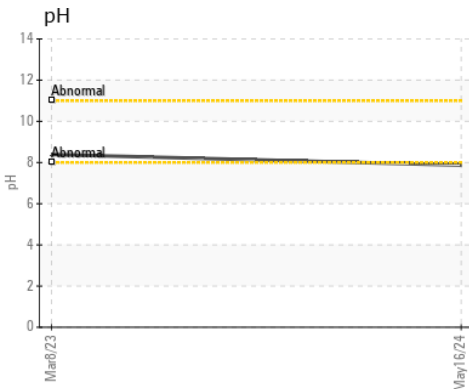
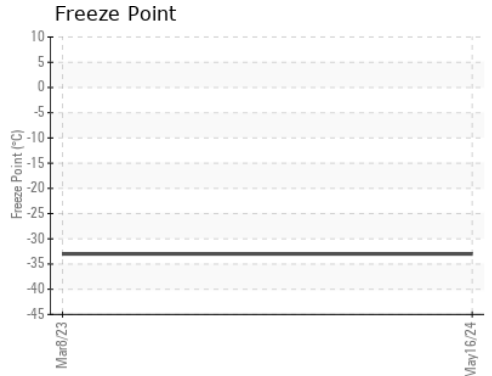
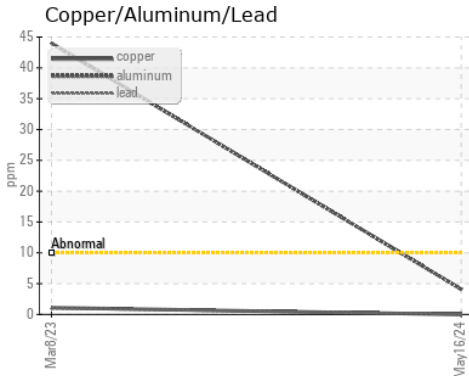
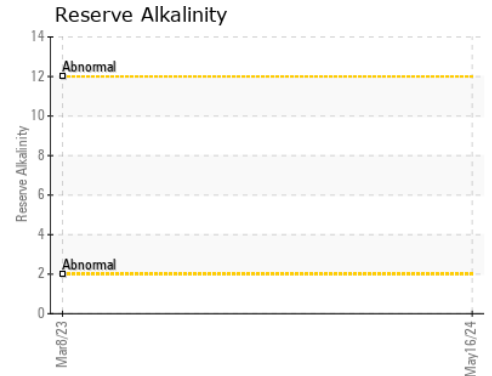
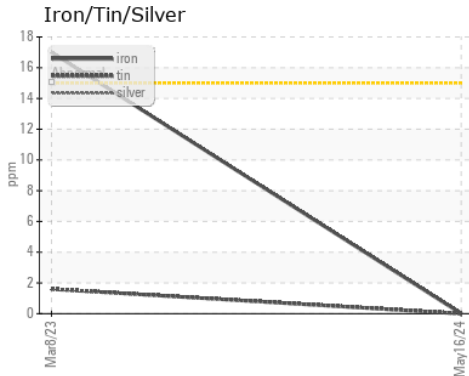


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual	Yellow	Yllow	Yellow	---
Coolant Appearance	*Visual	Clear	normal	normal	---
Color					no image
Bottom					no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX015982 **Received** : 31 May 2024
Lab Number : **06197201** **Tested** : 03 Jun 2024
Unique Number : 11059324 **Diagnosed** : 04 Jun 2024 - Jonathan Hester
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

NORDEX USA - Chicago
 300 SOUTH WACKER DRIVE, SUITE 1500
 CHICAGO, IL 60606
 Contact: DEVIN LINEHAN
 DLinehan@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)