



COOLANT REPORT

CORROSION

ABNORMAL

CONTAMINANTS

NORMAL

COOLANT CONDITION

NORMAL

Area
DAKOTA RANGE III [200006928]

Machine Id
20WEA87757 - D-03-A

Component
Coolant

Fluid
CLARIANT ANTIFROGEN N (--- LTR)

RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		NX05852695	---	---
Sample Date		Client Info		25 Apr 2023	---	---
Machine Age	hrs	Client Info		14064	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

CORROSION

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

Iron	ppm	ASTM D6130	>15	▲ 42	---	---
Aluminum	ppm	ASTM D6130	>10	8	---	---
Copper	ppm	ASTM D6130	>10	1	---	---
Lead	ppm	ASTM D6130	>10	<1	---	---
Tin	ppm	ASTM D6130	>10	2	---	---
Zinc	ppm	ASTM D6130	>10	5	---	---

CONTAMINANTS

There is no indication of any contamination in the coolant.

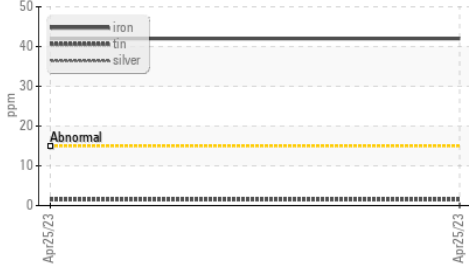
Calcium	ppm	ASTM D6130		<1	---	---
Chlorine	ppm	ASTM D6130		38	---	---
Magnesium	ppm	ASTM D6130		1	---	---
Total Dissolved Solids				282.5	---	---
Coolant Appearance		*Visual	Clear	normal	---	---

COOLANT CONDITION

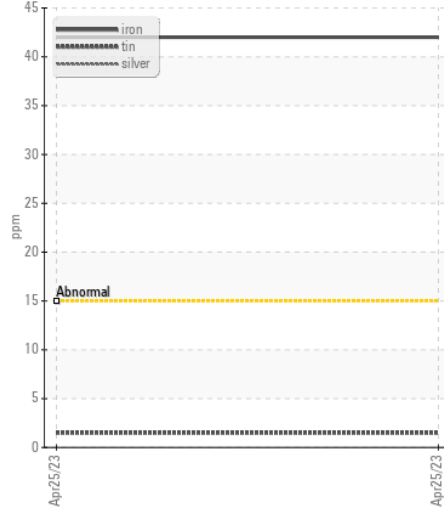
The glycol level is acceptable. The pH level of this fluid is within the acceptable limits.

Specific Gravity		*ASTM D1298	1.11	1.067	---	---
pH	Scale 0-14	ASTM D1287	8.5	8.02	---	---
Nitrites	ppm	AP-053:2009		72	---	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121	4.0	---	---	---
Percentage Glycol	%	ASTM D3321	44	50.0	---	---
Freezing Point	°F	ASTM D3321	-32	-35	---	---
Carboxylate				n/a	---	---
Silicon	ppm	ASTM D6130	3	10	---	---
Phosphorus	ppm	ASTM D6130	5	56	---	---
Boron	ppm	ASTM D6130	15	20	---	---
Molybdenum	ppm	ASTM D6130	110	306	---	---
Sodium	ppm	ASTM D6130	2400	5350	---	---
Potassium	ppm	ASTM D6130	5	278	---	---
Coolant Color		*Visual	Yellow	Yllow	---	---

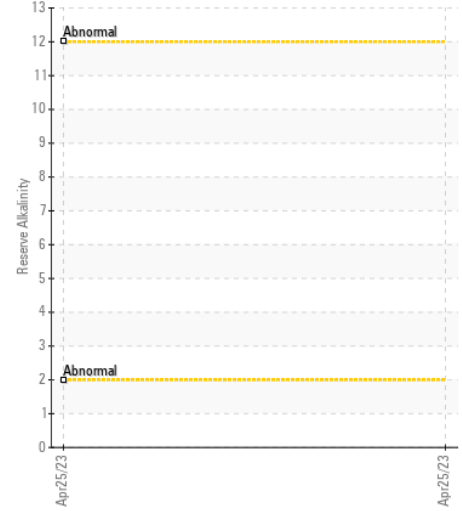
▲ Iron/Tin/Silver



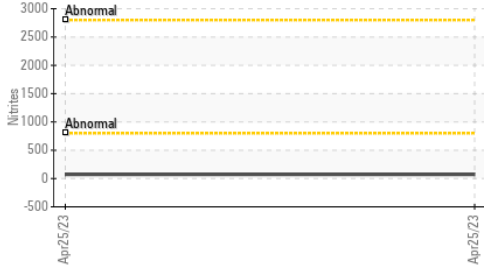
▲ Iron/Tin/Silver



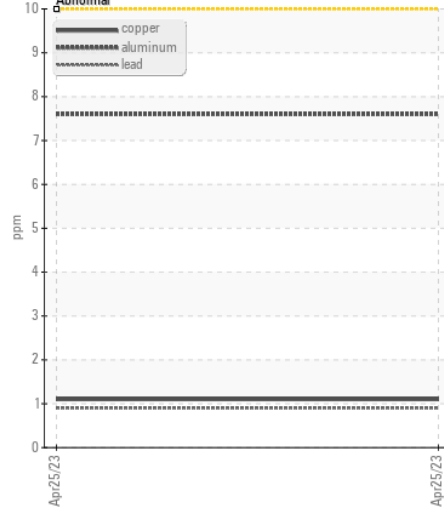
Reserve Alkalinity



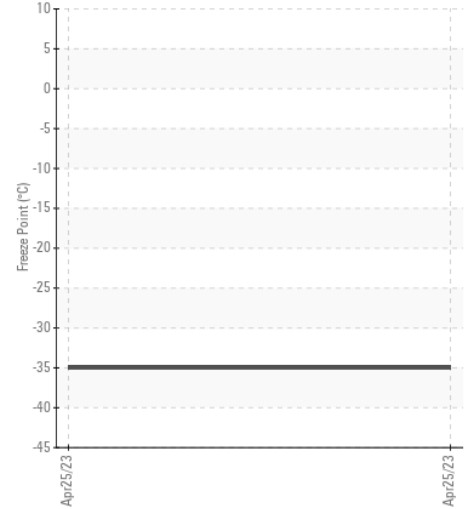
Nitrites



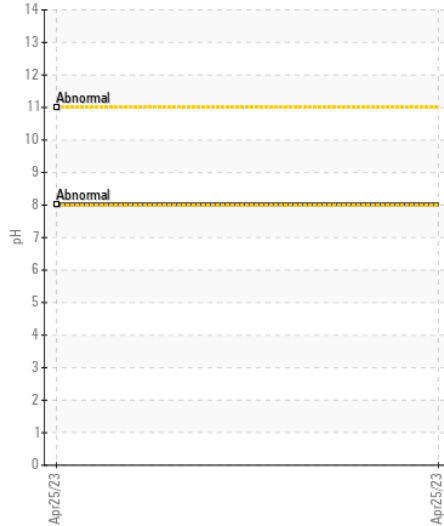
Copper/Aluminum/Lead



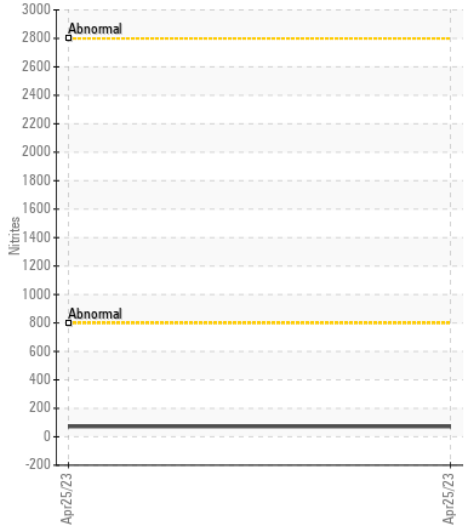
Freeze Point



pH



Nitrites



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : NX05852695

Lab Number : 05852695

Unique Number : 10482050

Test Package : COOL- (Additional Tests: COOL, ICP)

Received : 19 May 2023

Tested : 26 May 2023

Diagnosed : 04 Jun 2023 - Doug Bogart

NORDEX USA - Chicago

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CHICAGO, IL

US 60606

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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)