



COOLANT REPORT

Sample Rating Trend



NORMAL



Area
DAKOTA RANGE III [200006928]
 Machine Id
14WEA87749 - C-03-V
 Component
Coolant
 Fluid
ISENTHAL VARIDOS 45 (--- LTR)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		NX05852716	NX05576110	---
Sample Date	Client Info		20 Mar 2023	31 May 2022	---
Machine Age	hrs	Client Info	12909	7217	---
Oil Age	hrs	Client Info	12909	0	---
Oil Changed		Client Info	N/A	N/A	---
Sample Status			NORMAL	SEVERE	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.067	1.067	---
pH	Scale 0-14	ASTM D1287	8.5	8.55	---
Nitrites	ppm	AP-053:2009	112	712	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	45	49.8	---
Freezing Point	°F	ASTM D3321	-24	-33	---
Total Dissolved Solids			294.5	153.0	---
Carboxylate			n/a	n/a	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	25	33	---
Phosphorus	ppm	ASTM D6130	140	124	---
Boron	ppm	ASTM D6130	0	<1	---
Molybdenum	ppm	ASTM D6130	1075	1195	---

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	▲ 9	122
Aluminum	ppm	ASTM D6130	>10	▲ 3	60
Copper	ppm	ASTM D6130	>10	1	2
Lead	ppm	ASTM D6130	>10	1	1
Tin	ppm	ASTM D6130	>10	2	<1
Zinc	ppm	ASTM D6130	>10	4	50

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130	39	69	---

CARRIER SALTS

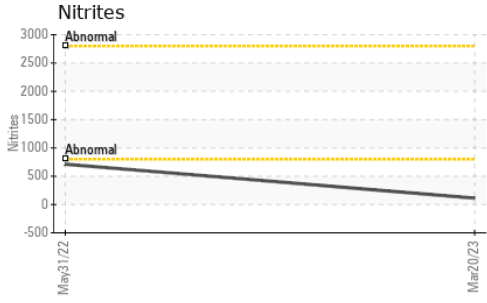
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130	1075	5613	538
Potassium	ppm	ASTM D6130	5	189	681

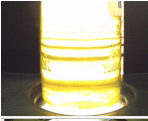
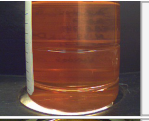


SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130	2	2	---
Magnesium	ppm	ASTM D6130	1	3	---

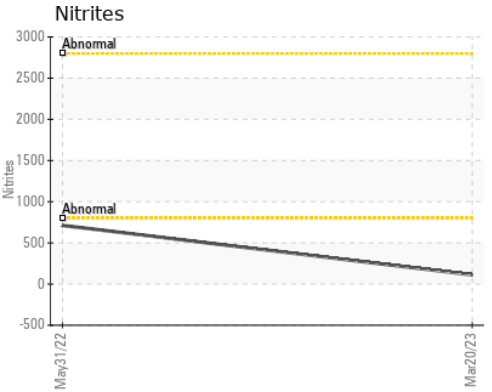
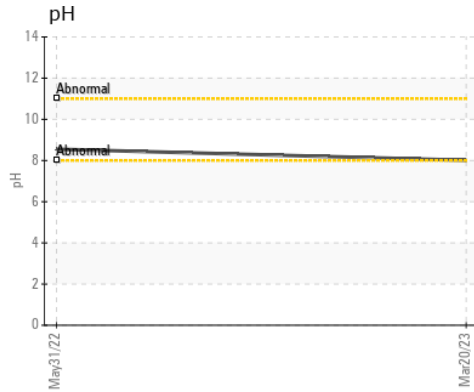
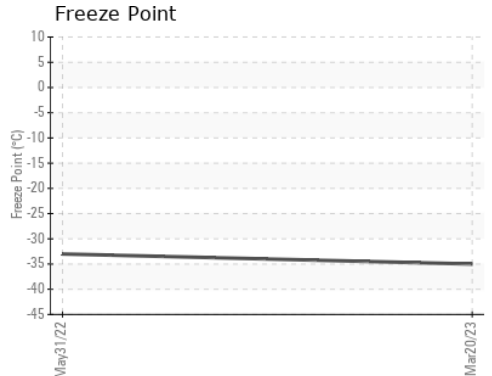
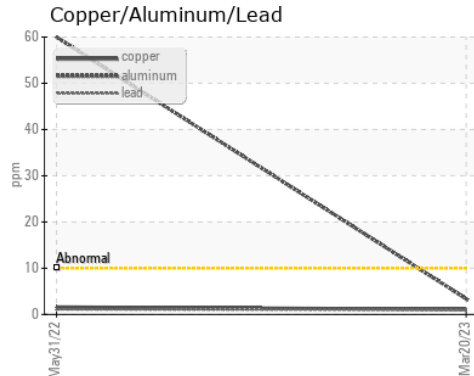
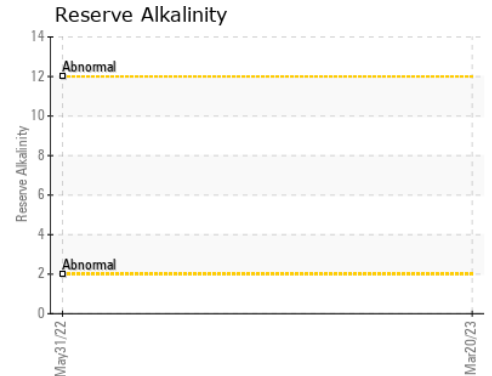
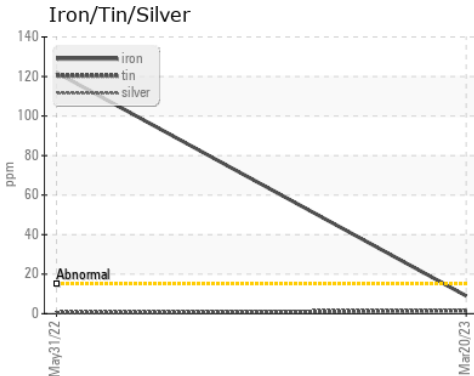


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX05852716 **Received** : 19 May 2023
Lab Number : **05852716** **Tested** : 26 May 2023
Unique Number : 10482071 **Diagnosed** : 04 Jun 2023 - Doug Bogart
Test Package : COOL- (Additional Tests: COOL, ICP)

NORDEX USA - Chicago
 300 SOUTH WACKER DRIVE, SUITE 1500
 CHICAGO, IL
 US 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)