



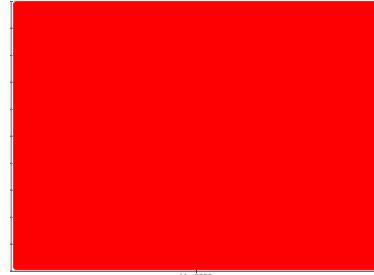
COOLANT REPORT

Sample Rating Trend

WEAR



Area
AURORA [200006927]
 Machine Id
13WEA87217 - A03 - V (S/N A5E39737038A)
 Component
Coolant
 Fluid
ISENTHAL VARIDOS 45 (--- LTR)



DIAGNOSIS

Recommendation

We recommend drain/flush system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's recommendations.

Corrosion

The iron level is severe. The aluminum level is severe.

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		NX05981582	---	---
Sample Date	Client Info		15 May 2023	---	---
Machine Age	hrs	Client Info	20681	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			SEVERE	---	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.069	---	---
pH	Scale 0-14 ASTM D1287	8.5	8.28	---	---
Nitrites	ppm AP-053:2009	260	412	---	---
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321	45	51.5	---	---
Freezing Point	°F ASTM D3321	-24	-38	---	---
Total Dissolved Solids			154.0	---	---
Carboxylate			n/a	---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	25	<1	---	---
Phosphorus	ppm ASTM D6130	140	96	---	---
Boron	ppm ASTM D6130	0	0	---	---
Molybdenum	ppm ASTM D6130	1075	695	---	---

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm ASTM D6130	>15	1200	---	---
Aluminum	ppm ASTM D6130	>10	214	---	---
Copper	ppm ASTM D6130	>10	0	---	---
Lead	ppm ASTM D6130	>10	0	---	---
Tin	ppm ASTM D6130	>10	0	---	---
Zinc	ppm ASTM D6130		31	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		29	---	---

CARRIER SALTS

	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	1075	596	---	---
Potassium	ppm ASTM D6130	5	840	---	---

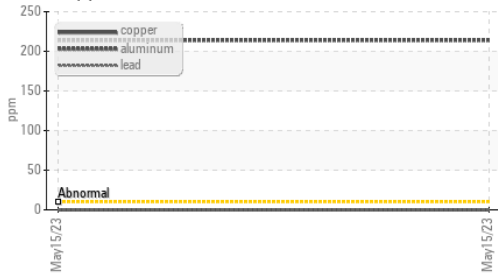
SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		13	---	---
Magnesium	ppm ASTM D6130		<1	---	---

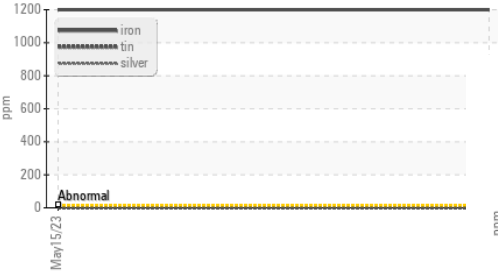


COOLANT REPORT

Copper/Aluminum/Lead

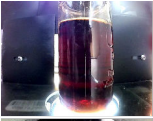



Iron/Tin/Silver



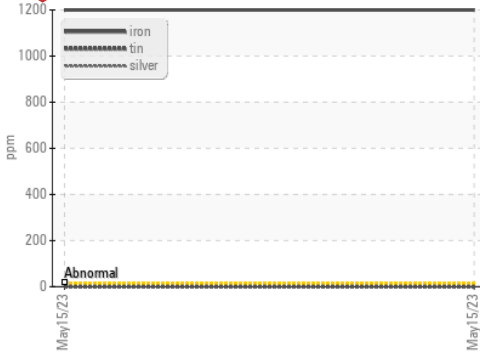
Nitrites



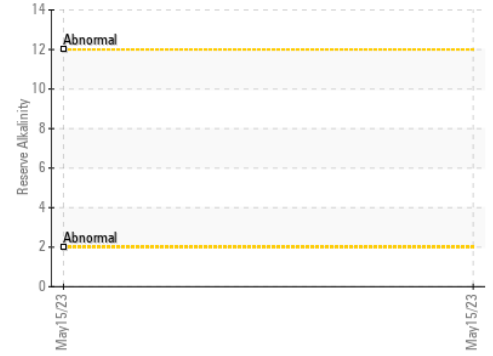
VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual	DkYlw	Orange	---	---
Coolant Appearance	*Visual	Clear	normal	---	---
Color				no image	no image
Bottom				no image	no image

GRAPHS

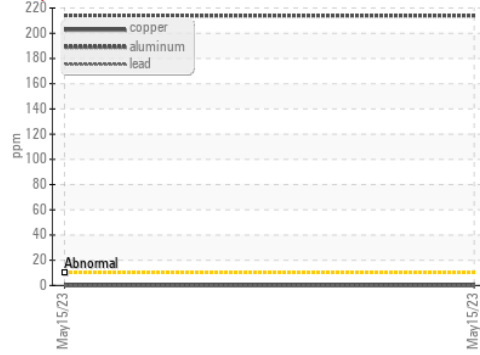
Iron/Tin/Silver



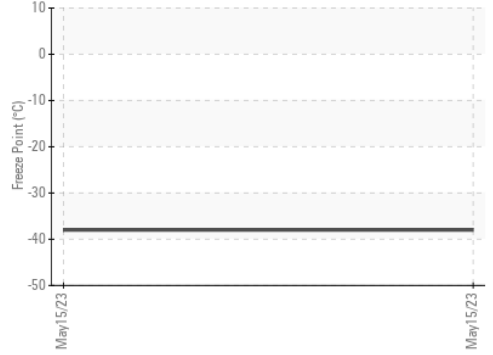
Reserve Alkalinity



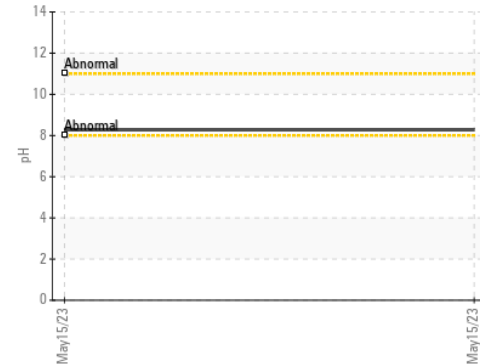
Copper/Aluminum/Lead



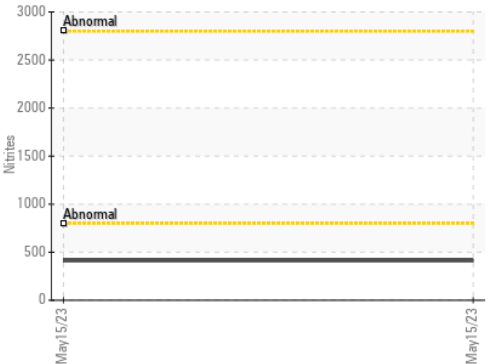
Freeze Point



pH



Nitrites



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX05981582 **Received** : 17 Oct 2023
Lab Number : **05981582** **Diagnosed** : 30 Oct 2023
Unique Number : 10698877 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

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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)