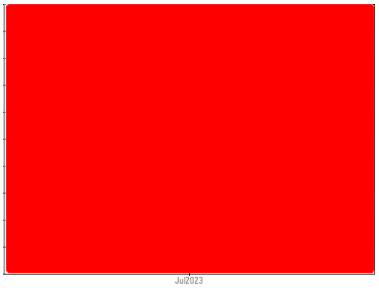
COOLANT REPORT

Sample Rating Trend



WEAR

Area
AURORA [200006927]
Machine Id
38WEA87242 - E04 - 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		**NX05981598**	---	---
Sample Date		Client Info		**04 Jul 2023**	---	---
Machine Age	hrs	Client Info		**21765**	---	---
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		**1.077**	---	---
pH	Scale 0-14	ASTM D1287	8.5	**8.27**	---	---
Nitrites	ppm	AP-053:2009	260	**412**	---	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121		**---**	---	---
Percentage Glycol	%	ASTM D3321	45	**57.8**	---	---
Freezing Point	°F	ASTM D3321	-24	**-52**	---	---
Total Dissolved Solids				**197.5**	---	---
Carboxylate				**n/a**	---	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	25	**<1**	---	---
Phosphorus	ppm	ASTM D6130	140	**108**	---	---
Boron	ppm	ASTM D6130	0	**0**	---	---
Molybdenum	ppm	ASTM D6130	1075	**716**	---	---

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	**145**	---	---
Aluminum	ppm	ASTM D6130	>10	**97**	---	---
Copper	ppm	ASTM D6130	>10	**0**	---	---
Lead	ppm	ASTM D6130	>10	**0**	---	---
Tin	ppm	ASTM D6130	>10	**0**	---	---
Zinc	ppm	ASTM D6130		**111**	---	---

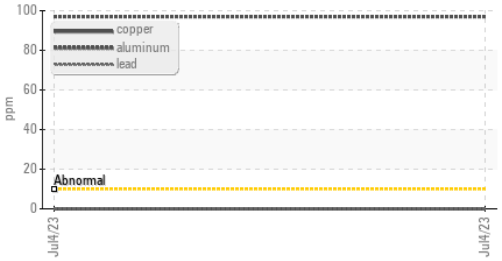
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		**25**	---	---

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130	1075	**743**	---	---
Potassium	ppm	ASTM D6130	5	**893**	---	---

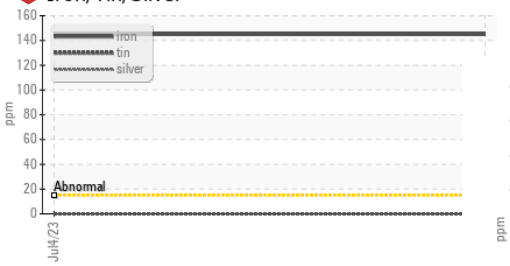
SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		**3**	---	---
Magnesium	ppm	ASTM D6130		**0**	---	---

COOLANT REPORT

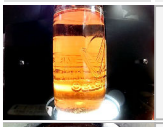
Copper/Aluminum/Lead



Iron/Tin/Silver

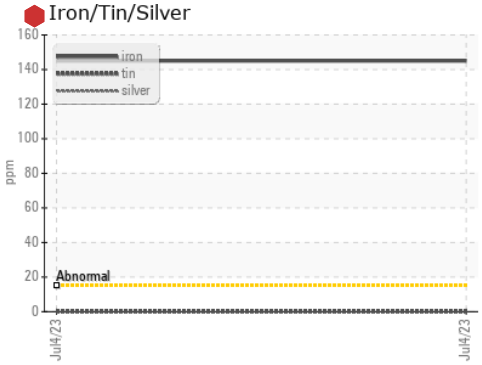


Nitrites

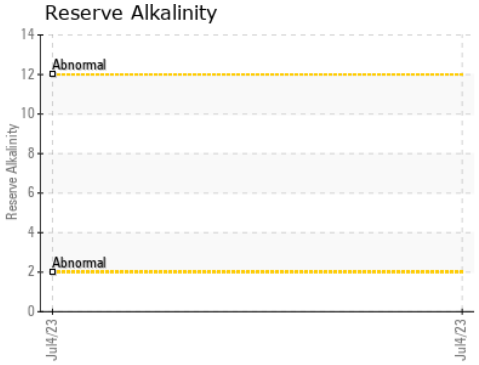
VISUAL		method	limit/base	current	history1	history2
Coolant Color		*Visual	DkYlw	**Orange**	---	---
Coolant Appearance		*Visual	Clear	**normal**	---	---
Color					*no image*	*no image*
Bottom					*no image*	*no image*

GRAPHS

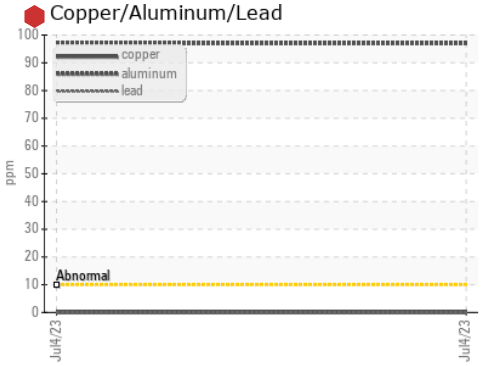
Iron/Tin/Silver



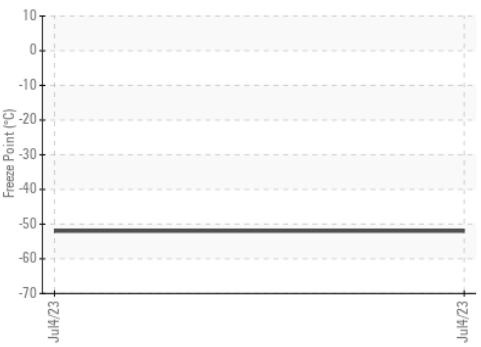
Reserve Alkalinity



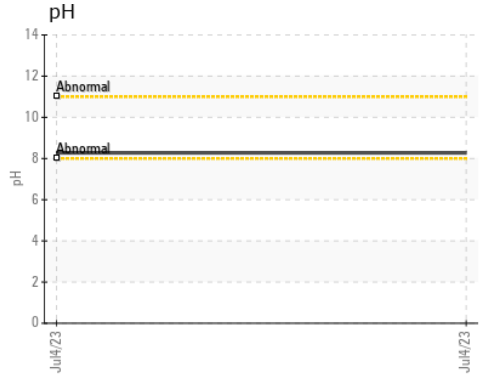
Copper/Aluminum/Lead



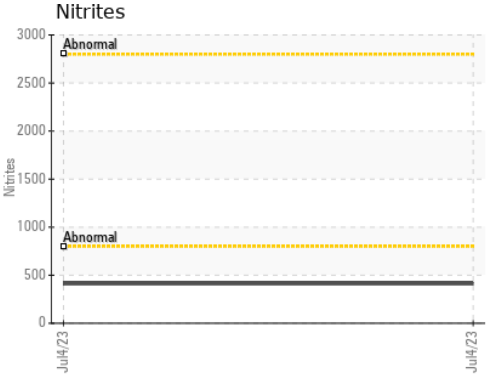
Freeze Point



pH



Nitrites



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX05981598 **Received** : 17 Oct 2023
Lab Number : 05981598 **Diagnosed** : 30 Oct 2023
Unique Number : 10698893 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

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)

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