



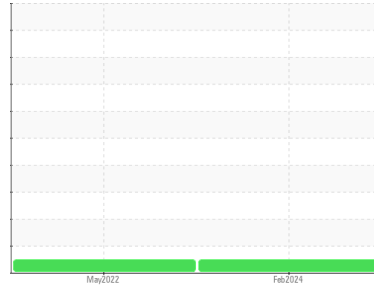
COOLANT REPORT

Sample Rating Trend

NORMAL



Area
THUNDER SPIRIT [200005313]
 Machine Id
23WEA84007 - GEN (S/N EWP00683)
 Component
Coolant
 Fluid
ISENTHAL VARIDOS 45 (--- QTS)



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	NX015512	NX011132	---
Sample Date	Client Info	28 Feb 2024	25 May 2022	---
Machine Age	hrs	Client Info	50129	46381
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	---
Sample Status		NORMAL	NORMAL	---

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2	
Glycol Type	FT-IR	---	---	---	
Specific Gravity	*ASTM D1298	1.071	1.070	---	
pH	Scale 0-14	ASTM D1287	8.5	7.80	7.81
Nitrites	ppm	AP-053:2009	260	336	112
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---
Percentage Glycol	%	ASTM D3321	45	53.1	52.2
Freezing Point	°F	ASTM D3321	-24	-43	-40
Total Dissolved Solids				105.5	71.0
Carboxylate				n/a	n/a

CORROSION INHIBITORS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	25	8	13
Phosphorus	ppm	ASTM D6130	140	329	167
Boron	ppm	ASTM D6130	0	78	82
Molybdenum	ppm	ASTM D6130	1075	3	6

CORROSION

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

CONTAMINANTS

method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		18	0

CARRIER SALTS

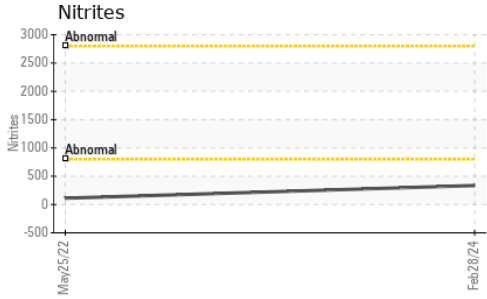
method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130	1075	49	18
Potassium	ppm	ASTM D6130	5	1415	705

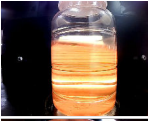
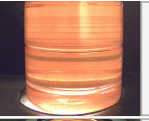


SCALE POTENTIAL

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

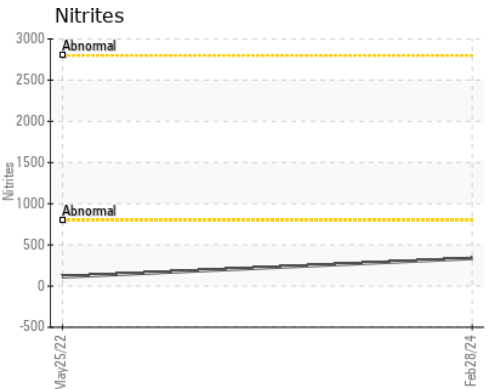
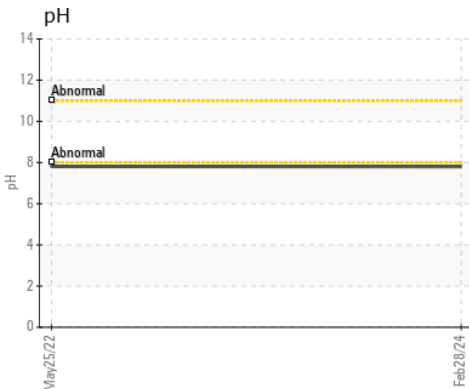
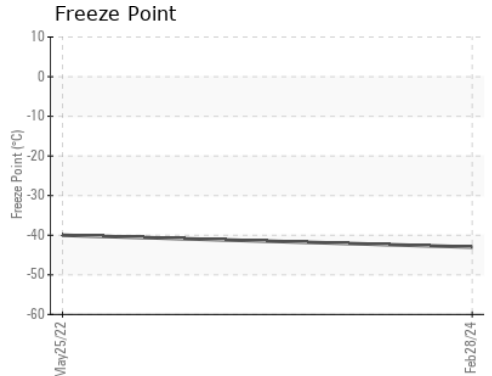
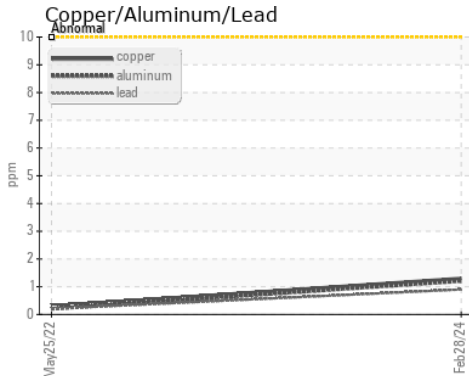
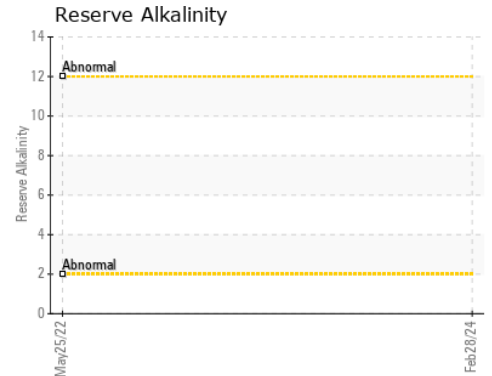
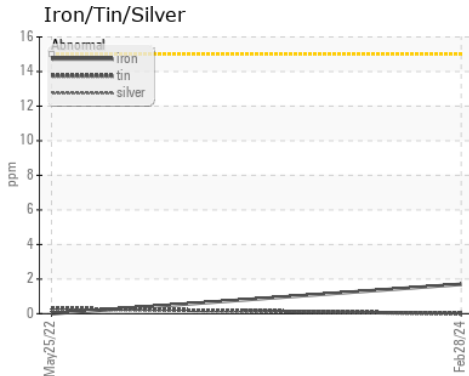


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX015512 **Received** : 19 Mar 2024
Lab Number : **06123284** **Tested** : 20 Mar 2024
Unique Number : 10937435 **Diagnosed** : 22 Mar 2024 - Jonathan Hester
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, 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)