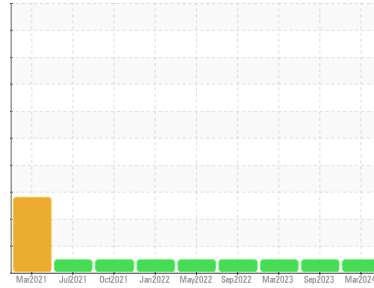




# COOLANT REPORT

## Sample Rating Trend



**NORMAL**



Area

**Tri State**

Machine Id

**[Tri State] Coolant - Port Main Engine (Jacket)**

Component

**Port Coolant**

Fluid

**EXTENDED LIFE COOLANT (--- GAL)**

### 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

Carboxylate test failed. The nitrite level is acceptable. 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		<b>WC0874863</b>	WC0805322	WC0735465
Sample Date	Client Info		<b>29 Mar 2024</b>	26 Sep 2023	13 Mar 2023
Machine Age	hrs	Client Info	<b>0</b>	18920	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		<b>---</b>	---	---
Specific Gravity	*ASTM D1298		<b>1.032</b>	1.023	1.023
pH	Scale 0-14	ASTM D1287	<b>7.23</b>	7.07	7.22
Nitrites	ppm	AP-053:2009	<b>260</b>	260	712
Reserve Alkalinity	Scale 0-20	*ASTM D1121	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321	<b>24.8</b>	18.2	18.2
Freezing Point	°F	ASTM D3321	<b>11</b>	18	18
Total Dissolved Solids			<b>194.5</b>	136.5	124.0
Carboxylate			<b>fail</b>	fail	fail

### CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	<b>17</b>	18	29
Phosphorus	ppm	ASTM D6130	<b>2</b>	<1	0
Boron	ppm	ASTM D6130	<b>0</b>	11	0
Molybdenum	ppm	ASTM D6130	<b>341</b>	160	364

### CORROSION

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D6130	>15	<b>&lt;1</b>	2	3
Aluminum	ppm	ASTM D6130	>10	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D6130	>10	<b>1</b>	1	<1
Lead	ppm	ASTM D6130	>10	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D6130	>10	<b>&lt;1</b>	<1	0
Zinc	ppm	ASTM D6130		<b>0</b>	2	<1

### CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		<b>79</b>	46	110

### CARRIER SALTS

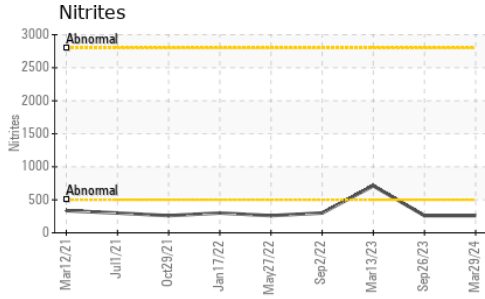
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		<b>2562</b>	1460	2916
Potassium	ppm	ASTM D6130		<b>19</b>	34	15




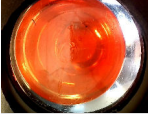


### SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130		<b>5</b>	6	11
Magnesium	ppm	ASTM D6130		<b>15</b>	12	27

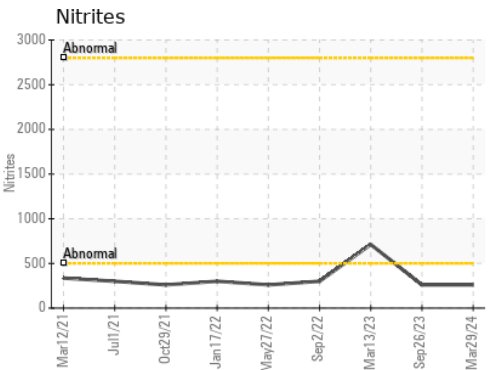
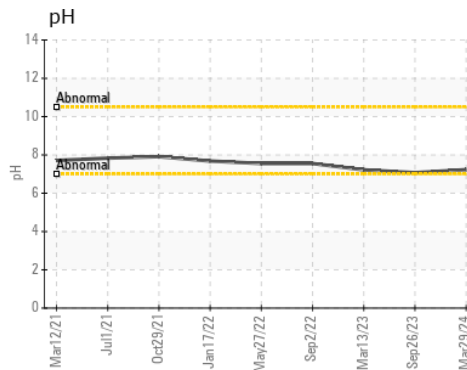
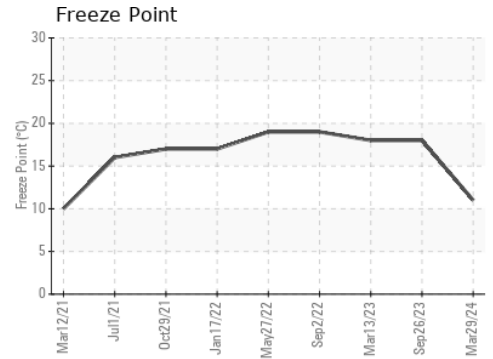
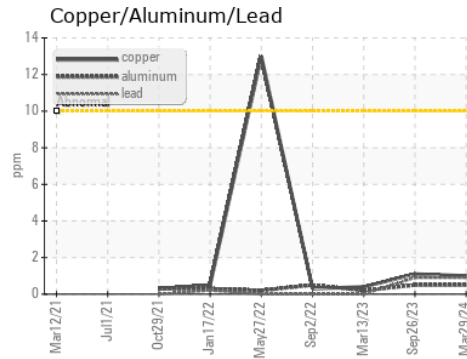
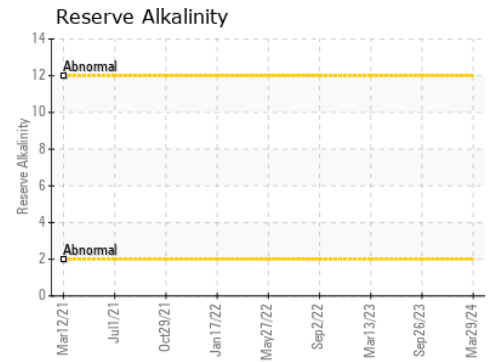
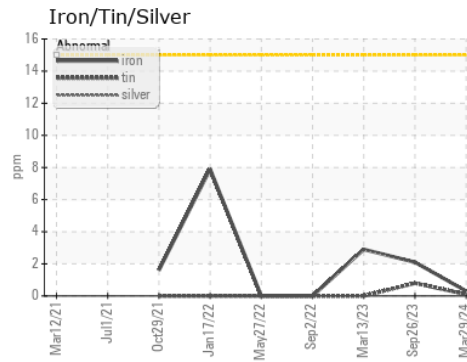


# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Orange	Red	Orange
Coolant Appearance	*Visual	Clear	normal	normal	normal
Color					
Bottom					

## GRAPHS



Certificate L2367

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

Sample No. : WC0874863

Lab Number : 06140430

Unique Number : 10965238

Test Package : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP, KF )

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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