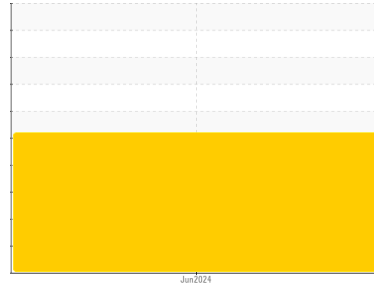




# COOLANT REPORT

Sample Rating Trend



OFF SPEC



Area  
**Generate Upcycle - 888091**  
 Machine Id  
**RB012-R**  
 Component  
**Coolant**  
 Fluid  
**EXTENDED LIFE COOLANT (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

Percentage Glycol levels are severely low. Freezing Point levels are severely low. Specific Gravity levels are abnormally low.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>E30002428</b>	---	---
Sample Date	Client Info		<b>18 Jun 2024</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>SEVERE</b>	---	---

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		<b>UNK</b>	---	---
Specific Gravity	ASTM D1298*		<b>▲ 1.038</b>	---	---
pH	Scale 0-14	ASTM D1287* 9.0	<b>7.83</b>	---	---
Nitrites	ppm	Alcan Test Kit*	<b>520</b>	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	<b>3.1</b>	---	---
Percentage Glycol	%	ASTM D3321* 50	<b>▲ 28.8</b>	---	---
Freezing Point	°C	ASTM D3321* -40	<b>▲ -14</b>	---	---
Carboxylate			<b>---</b>	---	---

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<b>30</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>8</b>	---	---
Boron	ppm	ASTM D5185(m)	<b>163</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>109</b>	---	---

## CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >15	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m) >10	<b>1</b>	---	---
Copper	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>1088</b>	---	---
Particles >6µm	ASTM D7647	>640	<b>307</b>	---	---
Particles >14µm	ASTM D7647	>160	<b>28</b>	---	---
Particles >21µm	ASTM D7647	>40	<b>6</b>	---	---
Particles >38µm	ASTM D7647	>10	<b>0</b>	---	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>19/16/14	<b>17/15/12</b>	---	---

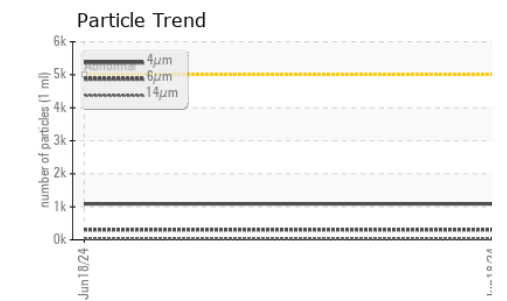
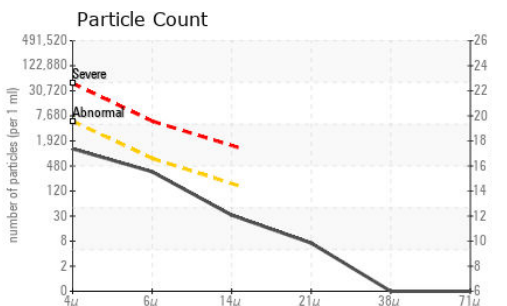
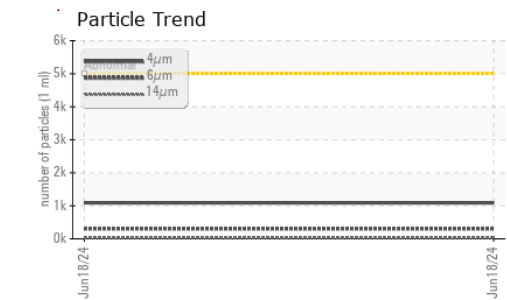
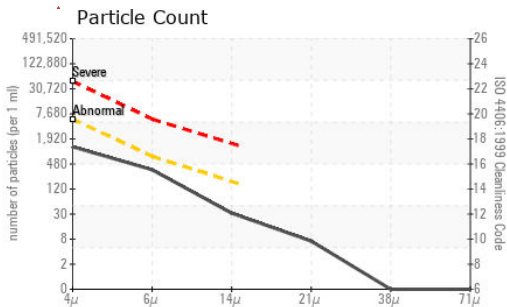
## CARRIER SALTS



	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)	<b>1795</b>	---	---
Potassium	ppm	ASTM D5185(m)	<b>638</b>	---	---

## SCALE POTENTIAL

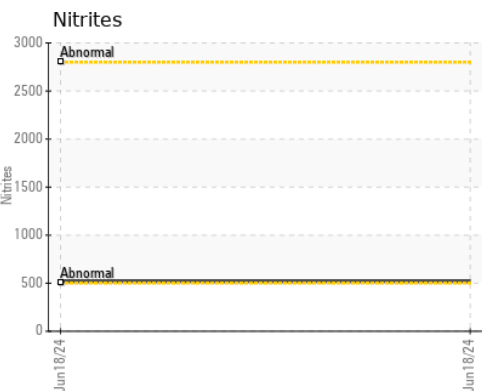
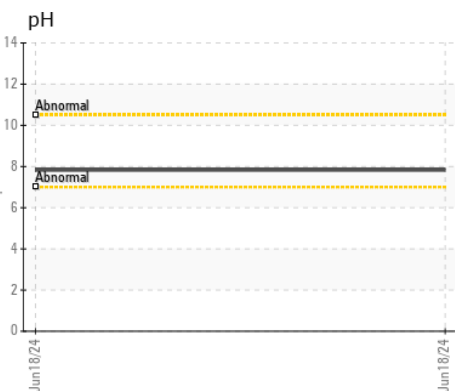
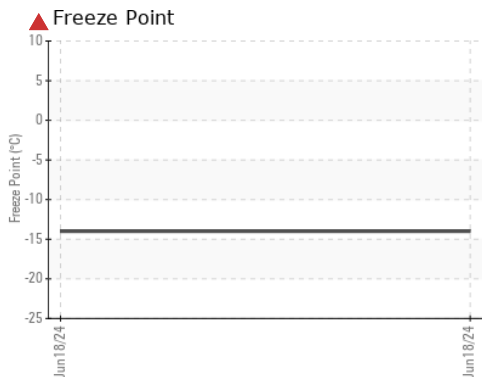
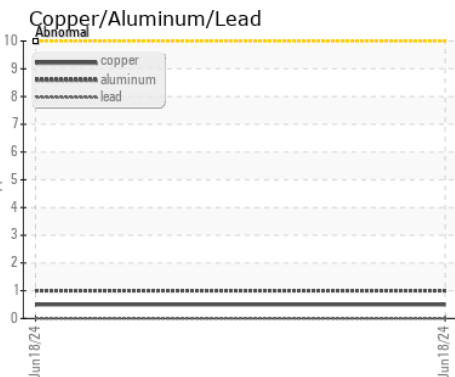
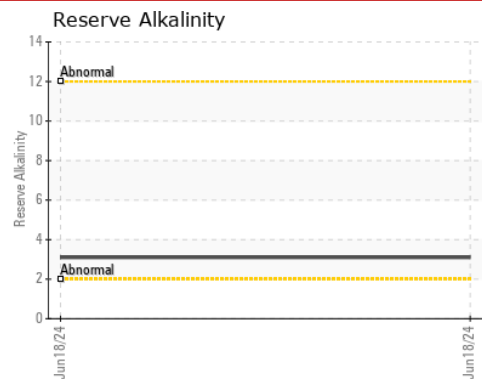
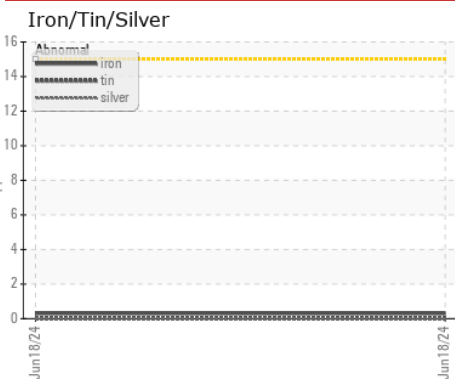
	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m) >100	<b>13</b>	---	---
Magnesium	ppm	ASTM D5185(m) >40	<b>4</b>	---	---
Hardness	mg/L CaCO3	In-house* <75	<b>47</b>	---	---

# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	Visual*	Orange/R	<b>Red</b>	---	---
Coolant Appearance	Visual*	Clear	<b>Clear</b>	---	---
Color				no image	no image
Bottom				no image	no image

## GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : E30002428  
**Lab Number** : 02643281  
**Unique Number** : 5800820  
**Test Package** : COOL ( Additional Tests: GlycolType, PRTCOUNT )

**Environmental 360 Solutions Ltd.**  
 640 Victoria Street  
 Cobourg, ON  
 CA K9A 5H5  
 Contact: Tatiana Sorkina  
 tsorkina@e360s.ca  
 T: (800)263-3939  
 F: (905)373-4950

*To discuss this sample report, contact Customer Service at 1-905-372-2251.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.*