

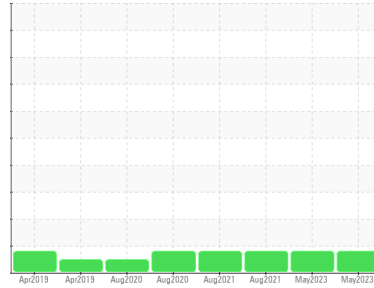


# COOLANT REPORT

Sample Rating Trend

**WEAR**

Area  
**SUNLIFE [24810]**  
 Machine Id  
**MTU WARRIOR B WATER (S/N 95030500207)**  
 Component  
**Coolant**  
 Fluid  
**CONVENTIONAL COOLANT (--- LTR)**



## DIAGNOSIS

### ▲ Recommendation

We recommend drain system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's specifications. We recommend an early resample to monitor this condition.

### ▲ Corrosion

Tin ppm levels are abnormal. The high metal levels indicate corrosion in the system.

### Contaminants

There is no indication of any contamination in the coolant.

### Coolant Condition

The nitrite 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>WC0817952</b>	WC0817951	WC0616830
Sample Date	Client Info			<b>08 May 2023</b>	08 May 2023	18 Aug 2021
Machine Age	hrs	Client Info		<b>0</b>	0	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>ABNORMAL</b>	ABNORMAL	ABNORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*			<b>1.067</b>	1.067	1.067
pH	Scale 0-14	ASTM D1287*	9.5	<b>9.00</b>	7.96	9.21
Nitrites	ppm	Alcan Test Kit*	1500	<b>1360</b>	1280	1600
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	<b>3.0</b>	2.3	3.8
Percentage Glycol	%	ASTM D3321*	50	<b>49.5</b>	49.7	50.0
Freezing Point	°C	ASTM D3321*	-40	<b>-33</b>	-33	-37
Carboxylate				<b>---</b>	---	---

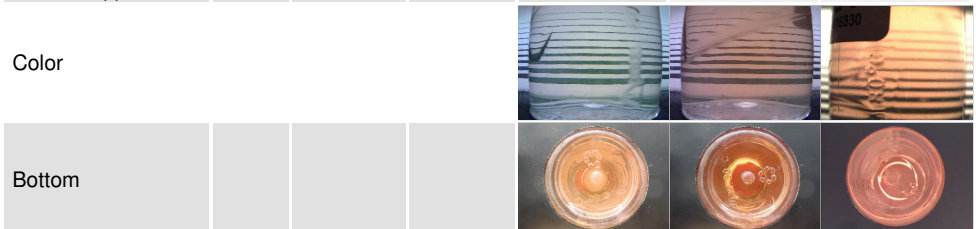
CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		<b>8</b>	18	5
Phosphorus	ppm	ASTM D5185(m)		<b>16</b>	23	10
Boron	ppm	ASTM D5185(m)		<b>259</b>	246	263
Molybdenum	ppm	ASTM D5185(m)		<b>4</b>	7	2

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	<b>2</b>	12	2
Aluminum	ppm	ASTM D5185(m)	>10	<b>2</b>	<1	2
Copper	ppm	ASTM D5185(m)	>10	<b>2</b>	▲ 25	1
Lead	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185(m)	>10	▲ <b>53</b>	2	▲ 35
Silver	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Zinc	ppm	ASTM D5185(m)		<b>11</b>	23	6

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		<b>1530</b>	1535	1428
Potassium	ppm	ASTM D5185(m)		<b>169</b>	226	179

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	<b>4</b>	9	2
Magnesium	ppm	ASTM D5185(m)	>40	<b>2</b>	2	1
Hardness	mg/L CaCO3	In-house*	<75	<b>17</b>	31	---

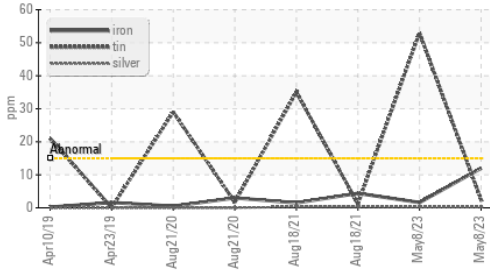
VISUAL		method	limit/base	current	history1	history2
Coolant Color	Visual*	Green		<b>Pink</b>	Orange	Pink
Coolant Appearance	Visual*	Clear		<b>Clear</b>	Clear	Clear





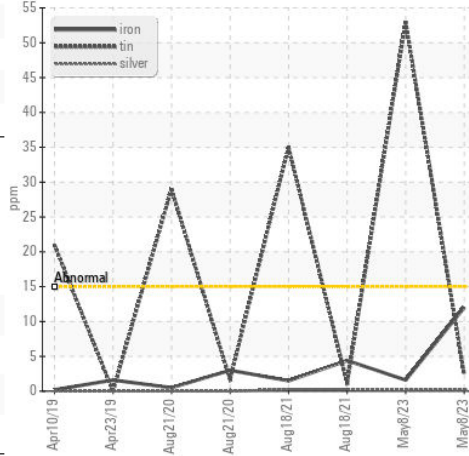
# COOLANT REPORT

## ▲ Iron/Tin/Silver

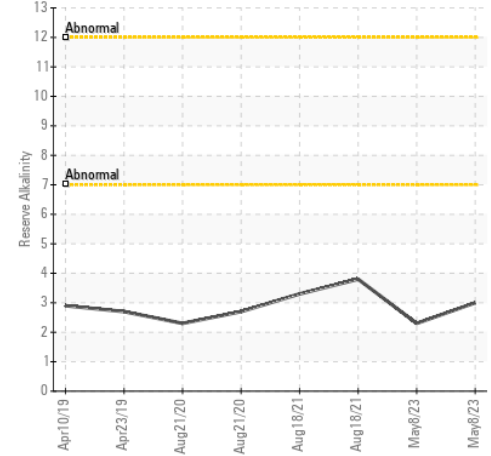


## GRAPHS

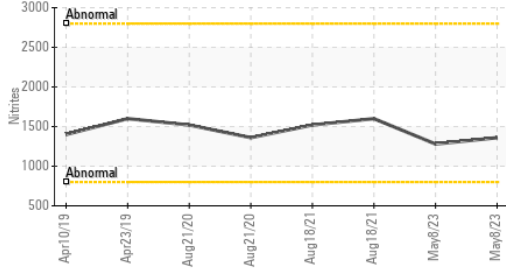
### ▲ Iron/Tin/Silver



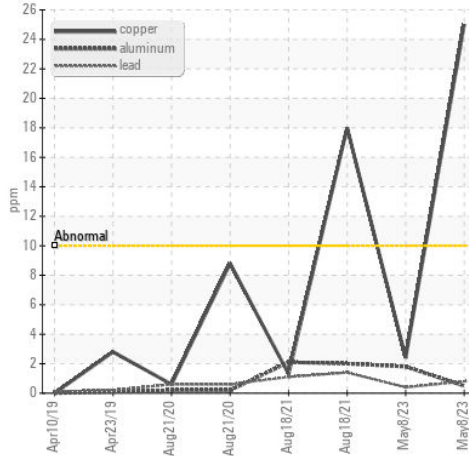
### Reserve Alkalinity



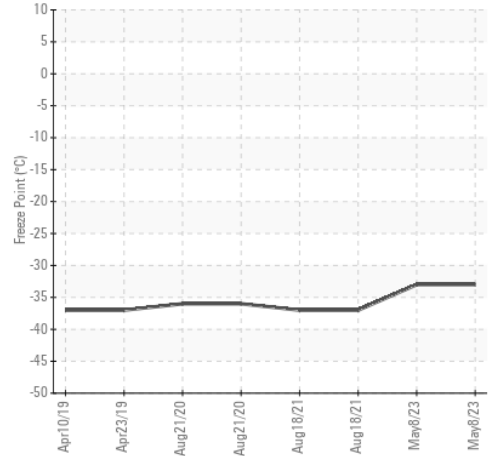
## Nitrites



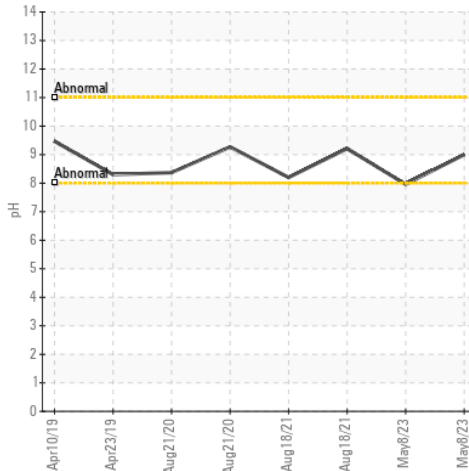
### Copper/Aluminum/Lead



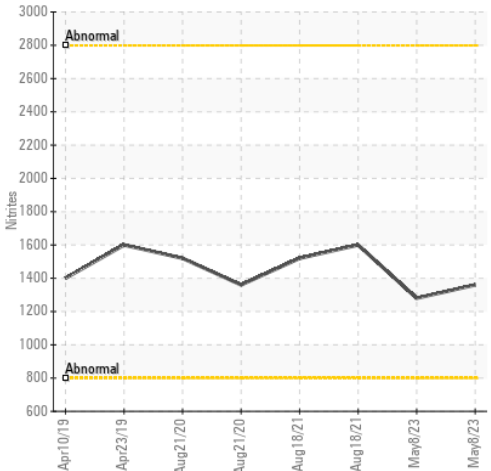
### Freeze Point



## pH



## Nitrites



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **SOMMERS GENERATOR SALES LTD.**  
**Sample No.** : WC0817952 **Received** : 29 May 2023 **70 PACKHAM AVENUE**  
**Lab Number** : 02560438 **Diagnosed** : 30 May 2023 **STRATFORD, ON**  
**Unique Number** : 5581478 **Diagnostician** : Kevin Marson **CA N4Z 0A6**  
**Test Package** : COOL

To discuss this sample report, contact Customer Service at 1-800-268-2131.

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.

Contact: Pat Devereaux  
pat.devereaux@sommersgen.com

T: (519)655-2396

F: (519)655-6881