



# COOLANT REPORT

CORROSION	<b>SEVERE</b>
CONTAMINANTS	<b>ABNORMAL</b>
COOLANT CONDITION	<b>NORMAL</b>

Machine Id  
**SOMMERS Tecumseh 511**

Component  
**Coolant**

Fluid  
**CONVENTIONAL COOLANT (--- GAL)**

## 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0869998</b>	---	---
Sample Date		Client Info		<b>21 Sep 2023</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>	---	---

## CORROSION

Copper ppm levels are severe. The high metal levels indicate corrosion in the system.

Iron	ppm	ASTM D5185(m)	>15	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>10	<b>116</b>	---	---
Lead	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Zinc	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---

## CONTAMINANTS

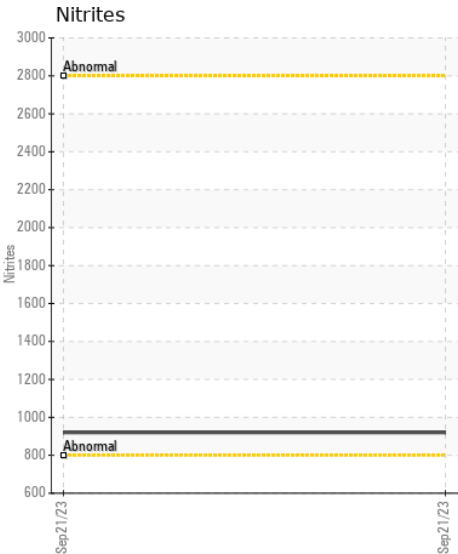
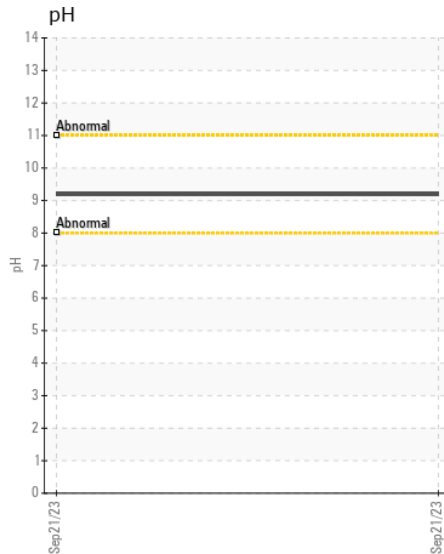
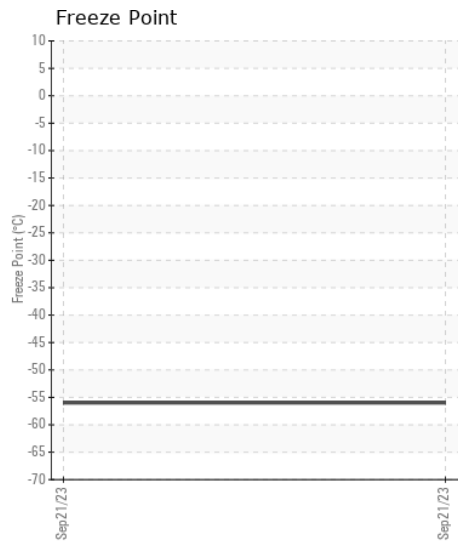
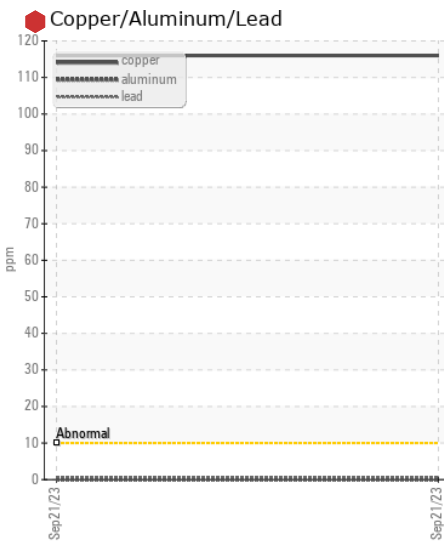
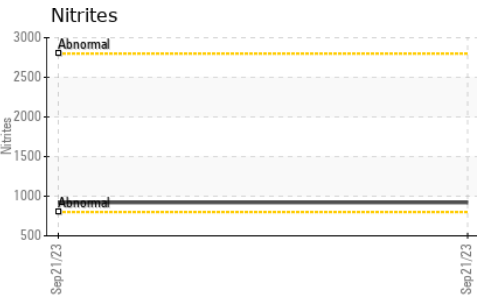
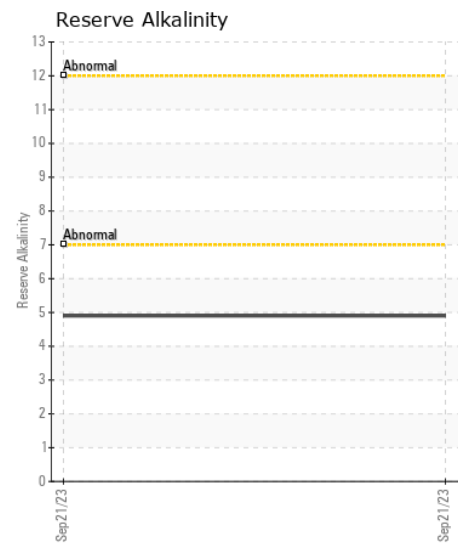
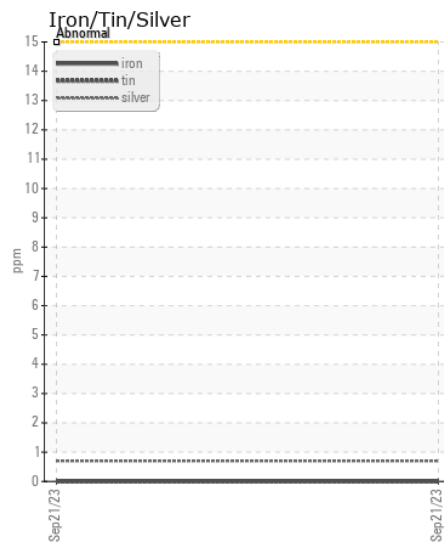
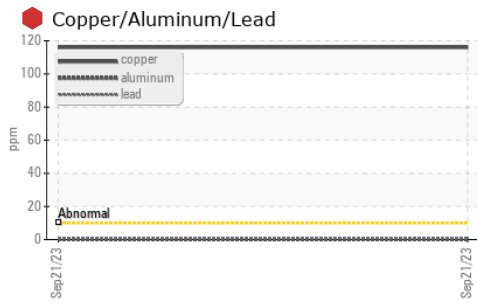
Moderate concentration of visible dirt/debris present in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>3</b>	---	---
Magnesium	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Coolant Appearance		Visual*	Clear	<b>Clear</b>	---	---

## COOLANT CONDITION

The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits.

Specific Gravity		ASTM D1298*		<b>1.079</b>	---	---
pH	Scale 0-14	ASTM D1287*	9.5	<b>9.19</b>	---	---
Nitrites	ppm	Alcan Test Kit*	1500	<b>920</b>	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	<b>4.9</b>	---	---
Percentage Glycol	%	ASTM D3321*	50	<b>59.9</b>	---	---
Freezing Point	°C	ASTM D3321*	-40	<b>-56</b>	---	---
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>17</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>23</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>232</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>2</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>4112</b>	---	---
Potassium	ppm	ASTM D5185(m)		<b>772</b>	---	---
Coolant Color		Visual*	Green	<b>Green</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0869998 **Received** : 17 Oct 2023  
**Lab Number** : 02589804 **Tested** : 18 Oct 2023  
**Unique Number** : 5658870 **Diagnosed** : 18 Oct 2023 - Kevin Marson  
**Test Package** : COOL

**CF Industrial Products Inc.**  
 1928 Road 3 East  
 Kingsville, ON  
 CA N9Y 2E5  
 Contact: Dan Hammond  
 danh@cfgroups.com  
 T: (519)564-2241  
 F: (519)322-2916

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.