



COOLANT REPORT

Sample Rating Trend

WEAR



Machine Id
SOMMERS Tecumseh 511

Component
Coolant
Fluid
CONVENTIONAL COOLANT (--- GAL)



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

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

Contaminants

Moderate concentration of visible dirt/debris present 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			WC0869998	---	---
Sample Date	Client Info			21 Sep 2023	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				SEVERE	---	---

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*			1.079	---	---
pH	Scale 0-14	ASTM D1287*	9.5	9.19	---	---
Nitrites	ppm	Alcan Test Kit*	1500	920	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	4.9	---	---
Percentage Glycol	%	ASTM D3321*	50	59.9	---	---
Freezing Point	°C	ASTM D3321*	-40	-56	---	---
Carboxylate				---	---	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		17	---	---
Phosphorus	ppm	ASTM D5185(m)		23	---	---
Boron	ppm	ASTM D5185(m)		232	---	---
Molybdenum	ppm	ASTM D5185(m)		2	---	---

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	0	---	---
Aluminum	ppm	ASTM D5185(m)	>10	0	---	---
Copper	ppm	ASTM D5185(m)	>10	116	---	---
Lead	ppm	ASTM D5185(m)	>10	<1	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Silver	ppm	ASTM D5185(m)	>10	<1	---	---
Zinc	ppm	ASTM D5185(m)		0	---	---

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		4112	---	---
Potassium	ppm	ASTM D5185(m)		772	---	---

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	3	---	---
Magnesium	ppm	ASTM D5185(m)	>40	<1	---	---
Hardness	mg/L CaCO3	In-house*	<75	10	---	---

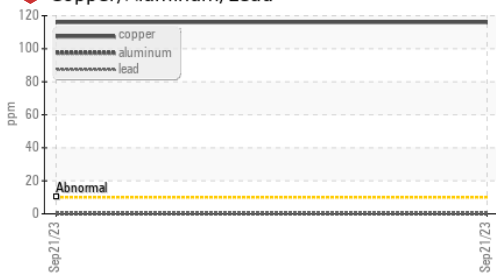
VISUAL		method	limit/base	current	history1	history2
Coolant Color	Visual*	Green		Green	---	---
Coolant Appearance	Visual*	Clear		Clear	---	---

Color			no image	no image
Bottom			no image	no image



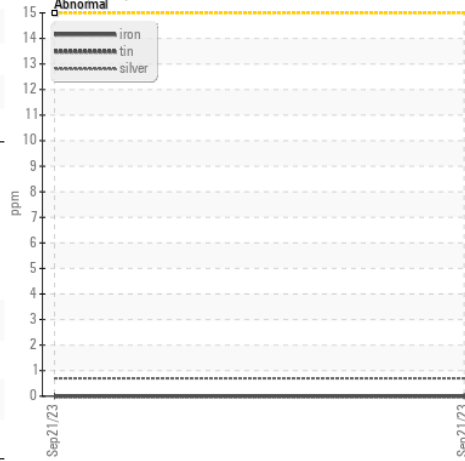
COOLANT REPORT

Copper/Aluminum/Lead

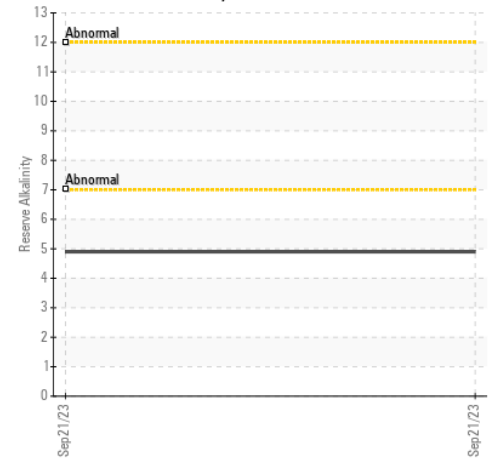


GRAPHS

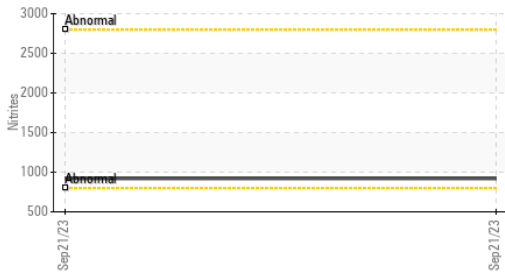
Iron/Tin/Silver



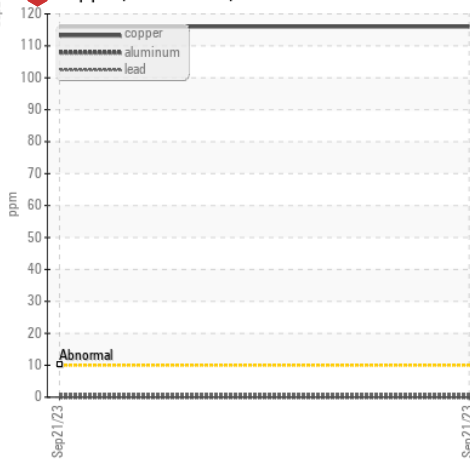
Reserve Alkalinity



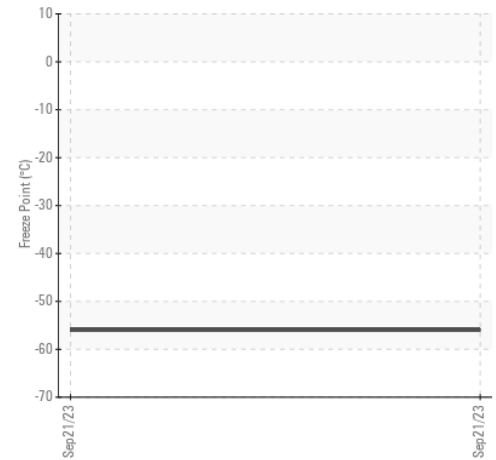
Nitrites



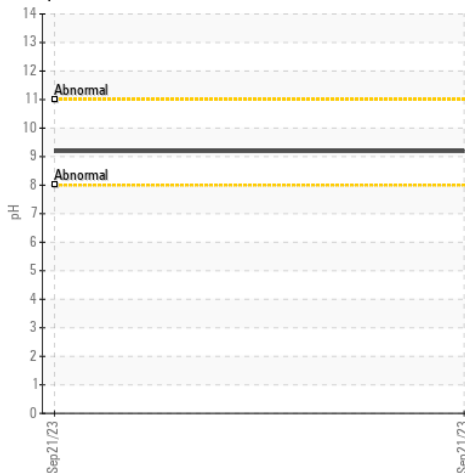
Copper/Aluminum/Lead



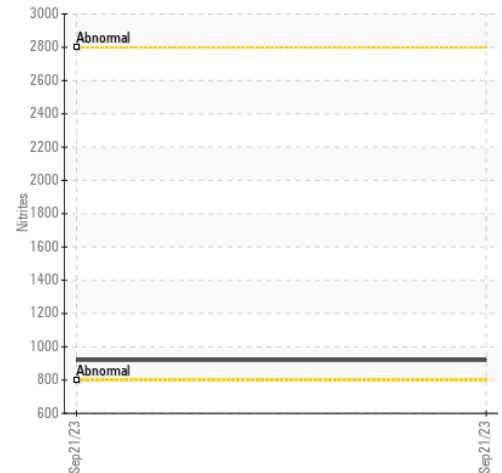
Freeze Point



pH



Nitrites



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
 Sample No. : WC0869998 Received : 17 Oct 2023
 Lab Number : 02589804 Diagnosed : 18 Oct 2023
 Unique Number : 5658870 Diagnostician : 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.