



COOLANT REPORT

Sample Rating Trend



NORMAL



Area
THE QUEEN CITY YACHT CLUB
 Machine Id
CKS01046
 Component
Coolant
 Fluid
EXTENDED LIFE COOLANT (--- GAL)

DIAGNOSIS

Recommendation

The fluid is suitable for further service. Resample at the next service interval to monitor.

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

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

SAMPLE INFORMATION

Sample Number	Client Info	method	limit/base	current	history1	history2
Sample Date	Client Info			22 Apr 2024	12 Apr 2024	---
Machine Age	hrs	Client Info		15473	5454	---
Oil Age	hrs	Client Info		9	100	---
Oil Changed	Client Info			N/A	N/A	---
Sample Status				NORMAL	ABNORMAL	---

PHYSICAL TEST RESULTS

Glycol Type	FT-IR	method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*			1.059	1.065	---
pH	Scale 0-14	ASTM D1287*	9.0	8.18	7.89	---
Nitrites	ppm	Alcan Test Kit*		760	840	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		6.6	3.4	---
Percentage Glycol	%	ASTM D3321*	50	43.3	48.2	---
Freezing Point	°C	ASTM D3321*	-40	-28	-35	---
Carboxylate				---	---	---

CORROSION INHIBITORS

Silicon	ppm	ASTM D5185(m)	limit/base	current	history1	history2
Phosphorus	ppm	ASTM D5185(m)		17	13	---
Boron	ppm	ASTM D5185(m)		16	8	---
Molybdenum	ppm	ASTM D5185(m)		4	11	---
				490	578	---

CORROSION

Iron	ppm	ASTM D5185(m)	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	>15	<1	<1	---
Copper	ppm	ASTM D5185(m)	>10	3	7	---
Lead	ppm	ASTM D5185(m)	>10	<1	<1	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Silver	ppm	ASTM D5185(m)	>10	0	0	---
Zinc	ppm	ASTM D5185(m)		0	0	---
				2	2	---

CARRIER SALTS

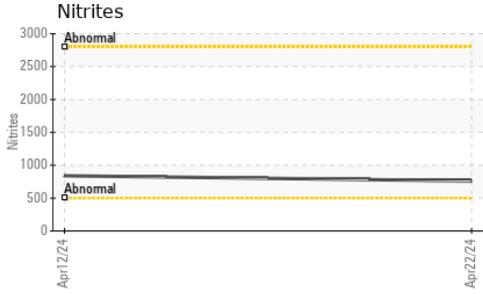
Sodium	ppm	ASTM D5185(m)	limit/base	current	history1	history2
Potassium	ppm	ASTM D5185(m)		4572	5060	---
				75	21	---

SCALE POTENTIAL

Calcium	ppm	ASTM D5185(m)	limit/base	current	history1	history2
Magnesium	ppm	ASTM D5185(m)	>100	6	8	---
Hardness	mg/L CaCO3	In-house*	>40	2	2	---
			<75	21	28	---

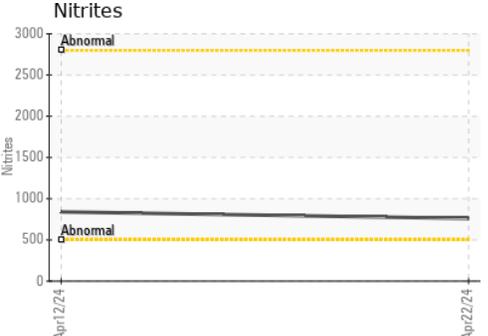
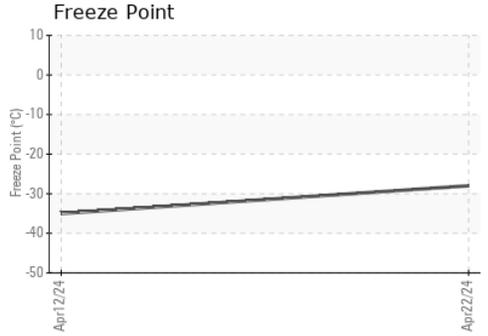
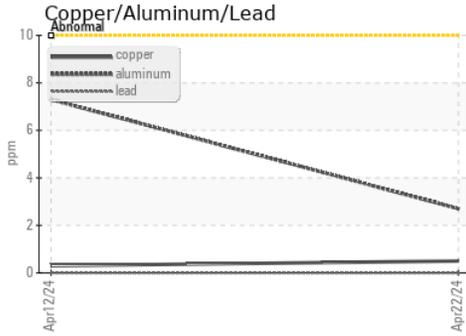
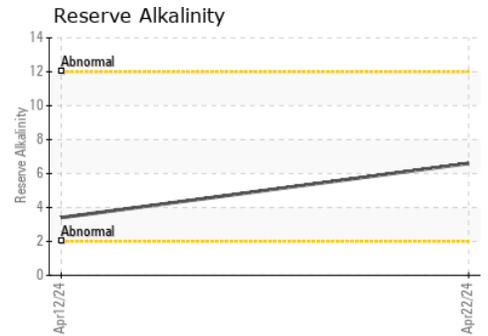
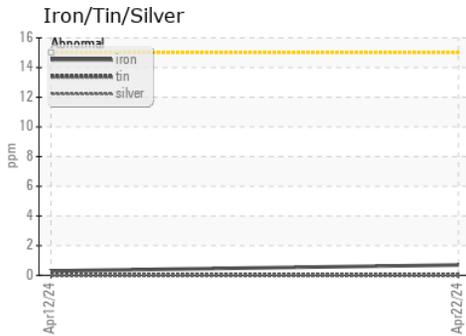


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PP **Received** : 22 Apr 2024
Lab Number : **02630801** **Tested** : 22 Apr 2024
Unique Number : 5763933 **Diagnosed** : 22 Apr 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType)

Toromont CAT - Power Systems
 288 Orenda Rd.
 Brampton, ON
 CA L6T 1E9
 Contact: Sarah Abdulhameed
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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.