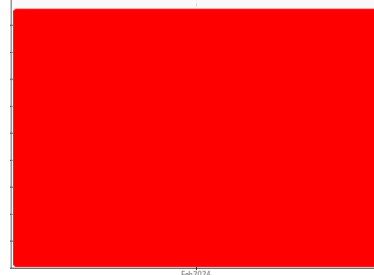


Area
Coca Cola [450124223]
 Machine Id
PLASMA EVAP

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. Recommend using only distilled water when diluting straight coolant. Resample at the next service interval to monitor. Diagnostician's Note: This appears to be tap / city water with very little glycol present.

Corrosion

All metal levels are normal indicating no corrosion in the cooling system.

Contaminants

Hardness is critically elevated. Elevated hardness can allow scale formation that will reduce cooling system effectiveness.

Coolant Condition

The reserve alkalinity of this fluid is lower than acceptable. The glycol level is low which leads to an increased rate of liner pitting and may be inadequate for freeze protection. The low nitrite level indicates reduced cavitation protection which leads to corrosion and ammonia formation. The pH is low which causes rust formation. The specific gravity is lower than typical indicating the addition of a different type of coolant.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GTT0002100	---	---
Sample Date	Client Info		27 Feb 2024	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		UNK	---	---
Specific Gravity	ASTM D1298*		▲ 1.000	---	---
pH	Scale 0-14	ASTM D1287* 9.5	▲ 6.65	---	---
Nitrites	ppm	Alcan Test Kit* 1500	▲ 280	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121* 8.5	▲ 0.2	---	---
Percentage Glycol	%	ASTM D3321* 50	▲ 1.6	---	---
Freezing Point	°C	ASTM D3321* -40	▲ -1	---	---
Boiling Point	°C	WC Method*	100	---	---
Carboxylate			---	---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	2	---	---
Phosphorus	ppm	ASTM D5185(m)	11	---	---
Boron	ppm	ASTM D5185(m)	5	---	---
Molybdenum	ppm	ASTM D5185(m)	2	---	---

CORROSION

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



CARRIER SALTS

	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)	96	---	---
Potassium	ppm	ASTM D5185(m)	45	---	---

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m) >100	30	---	---
Magnesium	ppm	ASTM D5185(m) >40	9	---	---
Hardness	mg/L CaCO3	In-house* <75	▲ 113	---	---

COOLANT REPORT

VISUAL	method	limit/base	current	history1	history2
Coolant Color	Visual*	Green	Other	---	---
Coolant Appearance	Visual*	Clear	Clear	---	---
Color				no image	no image
Bottom				no image	no image
GRAPHS					



Sample No. : GTT0002100
Lab Number : 02620953
Unique Number : 5746072
Test Package : COOL (Additional Tests: GlycolType)
To discuss this sample report, contact Customer Service at 1-905-847-9300 Ext 26.
Test denoted () outside scope of accreditation, (m) method modified, (e) tested at external lab.*
Damages: Seller shall in no event be liable for special, incidental, or consequential damages, of a commercial nature, resulting from any cause.

Received : 08 Mar 2024
Tested : 08 Mar 2024
Diagnosed : 11 Mar 2024 - Bill Quesnel

Cimco Refrigeration
 1551 Corporate Drive
 Burlington, ON
 CA L7L 6M3
 Contact: Service Manager
 cimcoap@toromont.com
 T: (416)465-7581
 F: