

## **COOLANT REPORT**

Sample Rating Trend

NORMAL

# Caserne 71 Geothermal Loop [GTT224-456 0073656-H] CASERNE 71 GEOTHERMAL LOOP

Coolant

Fluid CONVENTIONAL 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 INFORM	<b>/</b> IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GTT0003325		
Sample Date		Client Info		23 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2
Glycol Type		FT-IR		EG		
Specific Gravity		ASTM D1298*		1.044		
рН	Scale 0-14	ASTM D1287*	9.5	9.12		
Nitrites	ppm	Alcan Test Kit*	1500	400		
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	5.7		
Percentage Glycol	%	ASTM D3321*	50	33.0		
Freezing Point	°C	ASTM D3321*	-40	-18		
Carboxylate						
CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		13		
Phosphorus	ppm	ASTM D5185(m)		625		
Boron	ppm	ASTM D5185(m)		67		
Molybdenum	ppm	ASTM D5185(m)		<1		
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	10		
Aluminum	ppm	ASTM D5185(m)	>10	<1		
Copper	ppm	ASTM D5185(m)	>10	0		
Lead	ppm	ASTM D5185(m)	>10	0		
Tin	ppm	ASTM D5185(m)	>10	0		
Silver	ppm	ASTM D5185(m)	>10	0		
Zinc	ppm	ASTM D5185(m)		<1		
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		273		
Potassium	ppm	ASTM D5185(m)		2535		
SCALE POTENTI	AL	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	2		
Magnesium	ppm	ASTM D5185(m)	>40	1		
Hardness	mg/L CaCO3	In-house*	<75	8		



### **COOLANT REPORT**

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



1850 32nd Avenue Sample No. : GTT0003325 Received : 18 Jun 2024 : 26 Jun 2024 Lab Number : 02642709 Tested Montreal, QC Unique Number : 5800248 Diagnosed : 26 Jun 2024 - Bill Quesnel CA H8T 3J7 Test Package : COOL (Additional Tests: GlycolType) Contact: Paula Carvalho To discuss this sample report, contact Customer Service at 1-905-847-9300 Ext 26. pcarvalho@baulne.ca Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (514)422-0444 Damages: Seller shall in no event be liable for special, incidental, or consequential damages, of a commercial nature, resulting from any cause.

Report Id: GTT0000213 [WCAMIS] 02642709 (Generated: 06/26/2024 16:37:16) Rev: 1

Contact/Location: Paula Carvalho - GTT0000213

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**Baulne Inc**