

# **OIL ANALYSIS REPORT**

## Sample Rating Trend

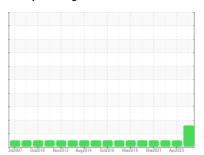




# St. Vincents Hospital Ch#1 **CARRIER 0203Q67699**

Chiller

**CASTROL AIRCOL SW 68 (--- GAL)** 





### **DIAGNOSIS**

#### Recommendation

This unit should be monitored closely by a service engineer as these wear conditions tend to advance rapidly. We recommend an early resample to monitor this condition.

Lead and tin ppm levels are abnormal. Bearing wear is indicated.

#### Contamination

There is no indication of any contamination in the

#### **Fluid Condition**

The AN level is acceptable for this fluid.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	(11011	Client Info	mmedase	GTT0001319	GTT490	GTT491
Sample Number		Client Info				30 Dec 2021
Sample Date Machine Age	hrs	Client Info		01 Aug 2023 0	05 Apr 2023	30 Dec 2021
	hrs	Client Info		0		
Oil Age	1115	Client Info		N/A	N/A	N/A
Oil Changed Sample Status		Ciletit IIIIO		ABNORMAL	NORMAL	NORMAL
·				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>8	<1	<1	<1
Chromium	ppm	ASTM D5185(m)	>2	0	<1	<1
Nickel	ppm	ASTM D5185(m)		0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm	ASTM D5185(m)	>3	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>2	<b>△</b> 3	<1	<1
Copper	ppm	ASTM D5185(m)	>8	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>4	<u> </u>	<1	<1
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	0		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)	0	0		
Magnesium	ppm	ASTM D5185(m)	0	<1		
Calcium	ppm	ASTM D5185(m)	0	<1		
Phosphorus	ppm	ASTM D5185(m)	800	1197		
Zinc	ppm	ASTM D5185(m)	5	29	<1	<1
Sulfur	ppm	ASTM D5185(m)	10	0		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	8		
Sodium	ppm	ASTM D5185(m)		<1		
Potassium	ppm	ASTM D5185(m)	>20	0		
ppm Water	ppm	ASTM D6304*	>100	112	58	183
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.05	0.09	0.018	0.036



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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	68	55.7		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image
GRAPHS						



 Sample No.
 : GTT0001319
 Recieved
 : 28 Dec 2023

 Lab Number
 : 02605659
 Diagnosed
 : 05 Jan 2024

 Unique Number
 : 5698744
 Diagnostician
 : Bill Quesnel

 Test Package
 : IND 2 ( Additional Tests: KV40 )

To discuss this sample report, contact Customer Service at 1-905-847-9300 Ext 26.

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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.

**Carrier Commerical Service** 

C/O Conduent Div of Carrier Canada, 1-2740 Matheson Blvd

Mississauga, ON CA L4W 4X3

Contact: Brian Raymundo Brian.Raymundo@carrier.com

at external lab. T: nature, resulting from any cause. F: