

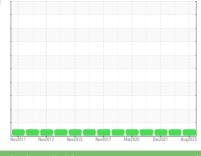
## **OIL ANALYSIS REPORT**

Sample Rating Trend





## Area Carleton Univ. Canal #2 [4500054809] Machine Id CARRIER 1010Q19584 Component Chiller





CASTROL AIRCOL SW 68 (--- GAL)

DIAGNOSIS	SAMPLE INFORM	<b>/IATION</b>	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GTT0001330	GTT3325	GTT3326
Resample at the next service interval to monitor.	Sample Date		Client Info		04 Aug 2023	05 Apr 2023	07 Dec 2021
Wear	Machine Age	hrs	Client Info		0		
All component wear rates are normal.	Oil Age	hrs	Client Info		0		
Contamination	Oil Changed		Client Info		N/A	N/A	N/A
The water content is negligible. There is no	Sample Status				NORMAL	NORMAL	NORMAL
indication of any contamination in the oil. <b>Fluid Condition</b> The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	WEAR METALS		method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185(m)		<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)		0		
	Aluminum	ppm	ASTM D5185(m)		<1	<1	<1
	Lead	ppm	ASTM D5185(m)		<1	<1	<1
	Copper	ppm	ASTM D5185(m)		<1	<1	<1
	Tin	ppm	ASTM D5185(m)	>4	<1	<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	<1		
	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	0		
	Phosphorus	ppm	ASTM D5185(m)	800	1053		
	Zinc	ppm	ASTM D5185(m)	5	7	1	1
	Sulfur	ppm	ASTM D5185(m)	10	21		
	Lithium	ppm	ASTM D5185(m)		<1		
	CONTAMINANTS	5	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185(m)	>15	21		
	Sodium	ppm	ASTM D5185(m)		<1		
	Potassium	ppm	ASTM D5185(m)	>20	0		
	ppm Water	ppm	ASTM D6304*	>100	99	239	175
	FLUID DEGRADA		method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D974*	0.05	0.12	0.085	0.072



## **OIL ANALYSIS REPORT**

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 PROPERT	IES	method	limit/base	current	history1	history2		
Visc @ 40°C	cSt	ASTM D7279(m)	68	66.4				
SAMPLE IMAGES	;	method	limit/base	current	history1	history2		
Color					no image	no image		
Bottom					no image	no image		
GRAPHS								



 Sample No.
 : GTT0001330
 Recieved
 : 28 Dec 2023
 C/0 Conduent Div of Ca

 Lab Number
 : 02605675
 Diagnosed
 : 06 Jan 2024

 Unique Number
 : 5698760
 Diagnostician
 : Bill Quesnel

 Test Package
 : IND 2 (Additional Tests: KV40)
 Co

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

 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 T: m any cause. F: