

OIL ANALYSIS REPORT

Sample Rating Trend

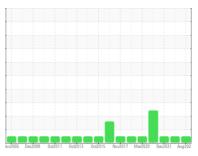
NORMAL



Carleton U. Robertson Hall #1 [4500054809] MCQUAY STNU011200138

Chiller

CASTROL AIRCOL SW 46 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

in/2005 Dec2008 Occ2011 Occ2013 Occ2015 Nov2017 Mec2020 Dec2021 Aug/202									
SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GTT0001332	GTT70390	GTT70391			
Sample Date		Client Info		15 Aug 2023	05 Apr 2023	07 Dec 2021			
Machine Age	hrs	Client Info		0					
Oil Age	hrs	Client Info		0					
Oil Changed		Client Info		N/A	N/A	N/A			
Sample Status				NORMAL	NORMAL	NORMAL			
WEAR METALS		method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185(m)	>100	<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)	>50	<1	<1	<1			
Lead	ppm	ASTM D5185(m)	>2	<1	<1	<1			
Copper	ppm	ASTM D5185(m)	>100	10	<1	<1			
Tin	ppm	ASTM D5185(m)	>4	0	<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					
Magnesium	ppm	ASTM D5185(m)	0	0					
Calcium	ppm	ASTM D5185(m)	0	<1					
Phosphorus	ppm	ASTM D5185(m)	800	2095					
Zinc	ppm	ASTM D5185(m)	5	10	3	3			
Sulfur	ppm	ASTM D5185(m)	10	16					
Lithium	ppm	ASTM D5185(m)		<1					
CONTAMINANTS	;	method	limit/base	current	history1	history2			
	ppm	ASTM D5185(m)	>50	16					
Silicon	le le								
Silicon Sodium	ppm	ASTM D5185(m)		<1					
		ASTM D5185(m) ASTM D5185(m)	>20	<1 0					
Sodium	ppm	(/	>20 >400						
Sodium Potassium	ppm ppm	ASTM D5185(m)		0					



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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 PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	46	46.1		
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image



 Sample No.
 : GTT0001332
 Recieved
 : 28 Dec 2023

 Lab Number
 : 02605673
 Diagnosed
 : 06 Jan 2024

 Unique Number
 : 5088758
 Diagnostician
 : Bill Quesnel

Unique Number: 5698758Diagnostician: Bill QuesnelCA L4W 4X3Test Package: IND 2 (Additional Tests: KV40)Contact: Brian RaymundoTo discuss this sample report, contact Customer Service at 1-905-847-9300 Ext 26.Brian.Raymundo@carrier.com

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.

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Report Id: GTT0000224 [WCAMIS] 02605673 (Generated: 01/08/2024 08:20:27) Rev: 1

Contact/Location: Brian Raymundo - GTT0000224

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Carrier Commerical Service

Mississauga, ON

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