

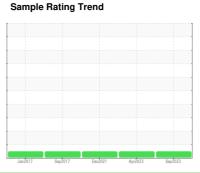
## **OIL ANALYSIS REPORT**



# 2020 Walkley Ch#1 Sys 1 MCQUAY STNU040500227(1,1)

Chiller

COMP OIL (ESTER) ISO 68 (--- GAL)





### Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

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.

Jan 2017 Sup 2017 Dec 2021 Apr 2023 Sup 2023									
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GTT0001230	GTT71570	GTT71571			
Sample Date		Client Info		13 Sep 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	2	<1	2			
Chromium	ppm	ASTM D5185(m)	>2	0	<1	<1			
Nickel	ppm	ASTM D5185(m)		<1					
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	0	<1	<1			
Copper	ppm	ASTM D5185(m)	>100	<1	<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)	5	0					
Barium	ppm	ASTM D5185(m)	5	0					
Molybdenum	ppm	ASTM D5185(m)	5	0					
Manganese	ppm	ASTM D5185(m)		0					
Magnesium	ppm	ASTM D5185(m)	5	0					
Calcium	ppm	ASTM D5185(m)	5	0					
Phosphorus	ppm	ASTM D5185(m)	400	1					
Zinc	ppm	ASTM D5185(m)	5	1	<1	<1			
Sulfur	ppm	ASTM D5185(m)	100	0					
Lithium	ppm	ASTM D5185(m)		<1					
CONTAMINANTS	3	method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185(m)	>50	5					
Sodium	ppm	ASTM D5185(m)		0					
Potassium	ppm	ASTM D5185(m)	>20	0					
ppm Water	ppm	ASTM D6304*	>400	140	126	171			
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2			
Acid Number (AN)	mg KOH/g	ASTM D974*	0.40	0.03	0.004	0.002			



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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)	68	64.0		
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color			Hilli			
Ooloi					no image	no image
Bottom					no image	no image



 Sample No.
 : GTT0001230
 Recieved
 : 28 Dec 2023

 Lab Number
 : 02605638
 Diagnosed
 : 05 Jan 2024

 Unique Number
 : 5698723
 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.

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:

nature, resulting from any cause.