

PROBLEM SUMMARY

Sample Rating Trend

WATER

WATER

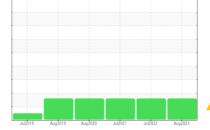
Machine Id

MCQUAY BROOKFIELD 77 K ST 1 (S/N STNU091100082)

Component

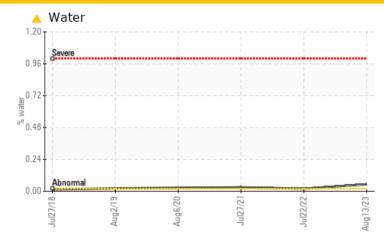
Refrigeration Compressor

NOT GIVEN (10 GAL)





COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS									
Sample Status				MARGINAL	MARGINAL	MARGINAL			
Water	%	ASTM D6304	>0.02	△ 0.052	▲ 0.020	△ 0.030			
ppm Water	ppm	ASTM D6304	>250	526.3	209.1	△ 301.3			

Customer Id: CDSCRO Sample No.: WC0830508 Lab Number: 05923456 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample			?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

22 Jul 2022 Diag: Jonathan Hester

WATER



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a trace of moisture present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



27 Jul 2021 Diag: Don Baldridge

WAIER



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a trace of moisture present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

View report

06 Aug 2020 Diag: Don Baldridge

WATER



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a trace of moisture present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

MCQUAY BROOKFIELD 77 K ST 1 (S/N STNU091100082)

Component

Refrigeration Compressor

NOT GIVEN (10 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a light concentration of water present in the oil

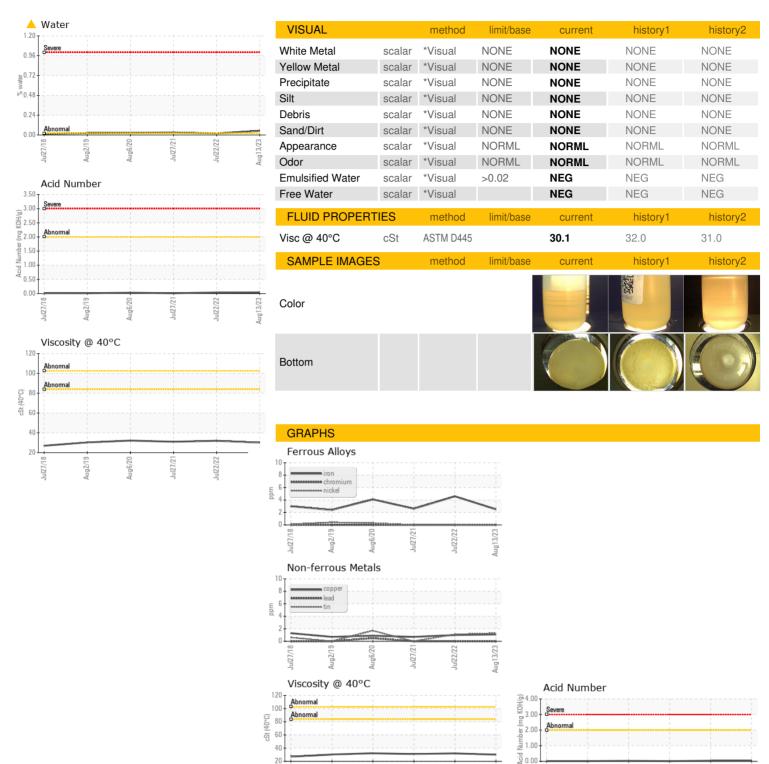
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0830508	WC0713817	WC0484519
Sample Date		Client Info		13 Aug 2023	22 Jul 2022	27 Jul 2021
Machine Age	hrs	Client Info		0	1479	13790
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Sample Status				MARGINAL	MARGINAL	MARGINAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	2	5	3
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>50	2	3	2
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>100	1	1	<1
Tin	ppm	ASTM D5185m	>4	1	1	0
Antimony	ppm	ASTM D5185m				3
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	<1
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		7	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		453	211	1
Zinc	ppm	ASTM D5185m		19	5	2
Sulfur	ppm	ASTM D5185m		0	24	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6	4	19
Sodium	ppm	ASTM D5185m		2	0	<1
Potassium	ppm	ASTM D5185m	>20	2	2	0
Water	%	ASTM D6304	>0.02	<u> </u>	▲ 0.020	▲ 0.030
ppm Water	ppm	ASTM D6304	>250	△ 526.3	△ 209.1	▲ 301.3
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974		0.042	0.038	0.013



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: WC0830508 : 05923456 : 10603403 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 Aug 2023 Diagnosed

Jul27/21

: 15 Aug 2023 : Doug Bogart Diagnostician

Jul22/22

Aug13/23

CDS MECHANICAL SERVICES INC 1654 CROFTON BLVD, SUITE 9

CROFTON, MD US 21114

Contact: DAVID BEALE

DBEALE@CDSMECHANICAL.NET T:

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: CDSCRO [WUSCAR] 05923456 (Generated: 08/15/2023 09:28:05) Rev: 1

Submitted By: BRIAN SHRAWDER

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