

PROBLEM SUMMARY

Sample Rating Trend

ISO

Machine Id

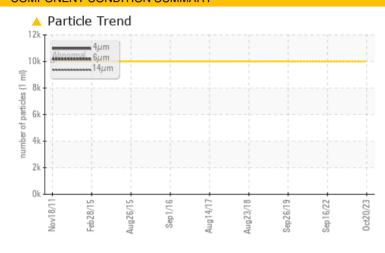
MCQUAY CHILLER D / HARRIS DATA CENTER (S/N STNU100800051)

Component

Refrigeration Compressor

NOT GIVEN (7 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST	RESULTS					
Sample Status			ATTENTION	NORMAL	NORMAL	
Particles >4µm	ASTM D7647	>10000	<u> </u>			
Oil Cleanliness	ISO 4406 (c)	>20/18/15	21/18/12			

Customer Id: MCQRIC Sample No.: WC0812174 Lab Number: 05996793 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

16 Sep 2022 Diag: Doug Bogart

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



26 Sep 2019 Diag: Don Baldridge

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



23 Aug 2018 Diag: Don Baldridge

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend

ISO

MCQUAY CHILLER D / HARRIS DATA CENTER (S/N STNU100800051)

Refrigeration Compressor

NOT GIVEN (7 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

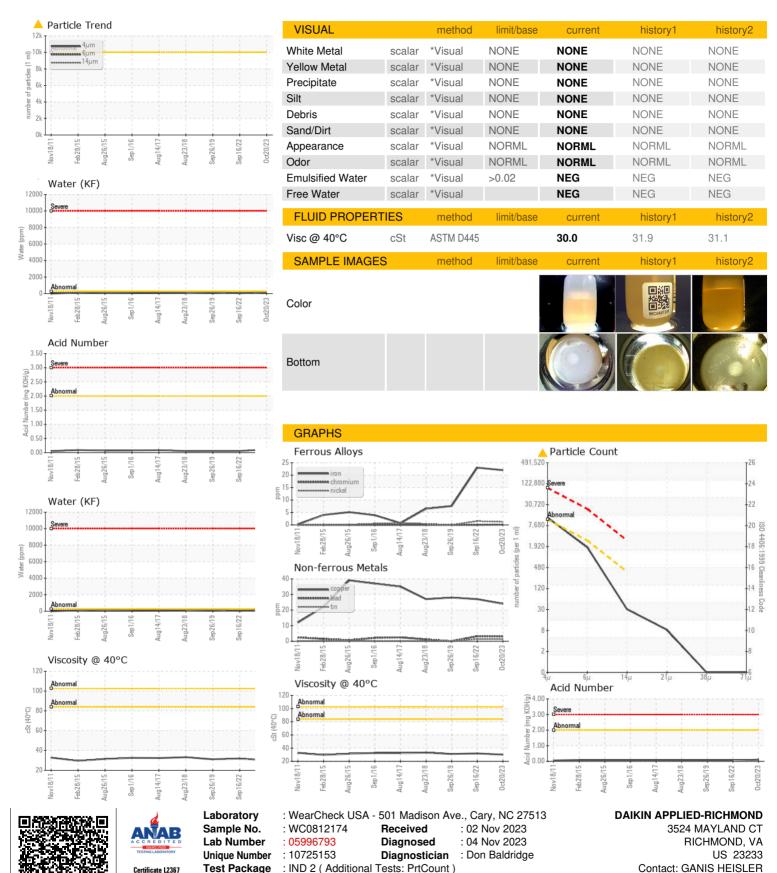
Fluid Condition

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

		NovŽ011 Fel	2015 Aug2015 Sep2016	Aug2017 Aug2018 Sep2019 Sep20	22 Oct2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0812174	WC0487288	WCI2310896
Sample Date		Client Info		20 Oct 2023	16 Sep 2022	26 Sep 2019
Machine Age	hrs	Client Info		0	20410	12680
Oil Age	hrs	Client Info		0	20410	12680
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	22	23	8
Chromium	ppm	ASTM D5185m	>2	<1	0	0
Nickel	ppm	ASTM D5185m		1	2	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>50	<1	1	<1
Lead	ppm	ASTM D5185m	>2	3	3	0
Copper	ppm	ASTM D5185m	>100	24	27	28
Tin	ppm	ASTM D5185m	>4	1	1	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	1	0
Magnesium	ppm	ASTM D5185m		<1	0	2
Calcium	ppm	ASTM D5185m		<1	0	0
Phosphorus	ppm	ASTM D5185m		0	11	2
Zinc	ppm	ASTM D5185m		31	35	21
Sulfur	ppm	ASTM D5185m		21	103	0
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	8	9	3
Sodium	ppm	ASTM D5185m		0	<1	3
Potassium	ppm	ASTM D5185m	>20	4	4	1
Water	%	ASTM D6304	>0.02	0.015	0.005	0.014
ppm Water	ppm	ASTM D6304	>250	153.0	51.3	145.4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<u> </u>		
Particles >6µm		ASTM D7647	>2500	1608		
Particles >14µm		ASTM D7647	>320	27		
Particles >21µm		ASTM D7647	>80	7		
Particles >38µm		ASTM D7647	>20	0		
Particles >71µm		ASTM D7647	>4	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>^</u> 21/18/12		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)				0.107	0.06	0.060



OIL ANALYSIS REPORT



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)

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