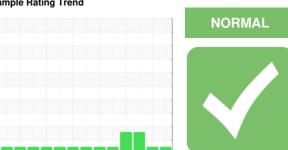


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

MCQUAY VBCC CHILLER 2 (S/N STNU040500262)

Refrigeration Compressor

REFRIG COMP OIL ISO 32 (8 GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

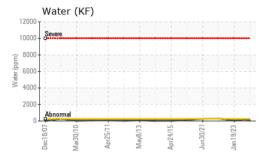
Fluid Condition

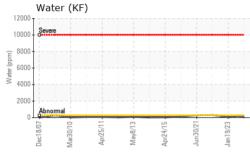
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

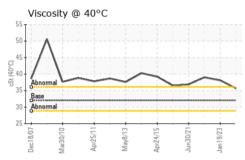
		Dec2007 M	arzulu Aprzuli Ma	yzota Apizota Sunzuzi	Jan2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WCI2310929	WCI2310930	WC0430732
Sample Date		Client Info		02 Mar 2024	19 Jan 2023	21 Apr 2022
Machine Age	hrs	Client Info		9770	6160	4297
Oil Age	hrs	Client Info		9770	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	NORMAL	MARGINAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	2	<1	3
Chromium	ppm	ASTM D5185m	>2	<1	0	0
Nickel	ppm	ASTM D5185m		1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>50	2	0	<1
Lead	ppm	ASTM D5185m	>2	1	0	<1
Copper	ppm	ASTM D5185m	>100	2	1	6
Tin	ppm	ASTM D5185m	>4	2	0	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	1
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	5	<1	0	0
Calcium	ppm	ASTM D5185m	12	3	0	0
Phosphorus	ppm	ASTM D5185m	12	5	2	1
Zinc	ppm	ASTM D5185m	12	2	0	0
Sulfur	ppm	ASTM D5185m	1000	0	24	0
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	11	10	14
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water	%	ASTM D6304	>0.02	0.014	0.004	▲ 0.029
ppm Water	ppm	ASTM D6304	>250	147	45.1	△ 290.1
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.10	0.042	0.092	0.052



OIL ANALYSIS REPORT







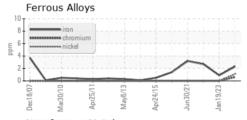
VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.02	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

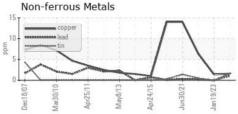
FLUID PROPER	ITIES	method				history2
Visc @ 40°C	cSt	ASTM D445	32	35.7	38.1	39.0

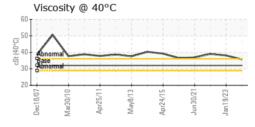
SAMPLE IMAGES	method	limit/base	current	history1	history2
		_			

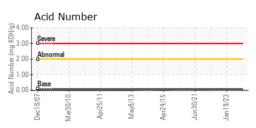
Color **Bottom**

GRAPHS













Certificate 12367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Lab Number : 06147392

: WCI2310929 Unique Number : 10977470

Received : 12 Apr 2024 **Tested**

: 15 Apr 2024 Diagnosed : 16 Apr 2024 - Don Baldridge **DAIKIN APPLIED-RICHMOND**

8991 OLD STAPLES MILL ROAD HENRICO, VA

US 23228

Contact: AMANDA CARRIER amanda.carrier@daikinapplied.com

T: (804)747-4822 F: (804)747-6686

Test Package : IND 2 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)