



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**[2311201077/1]**  
 Machine Id  
**MCQUAY TYCO CH 1 (S/N 56E8139900)**  
 Component  
**Centrifugal Compressor**  
 Fluid  
**DAIKIN OIL 46 (9 GAL)**

## 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

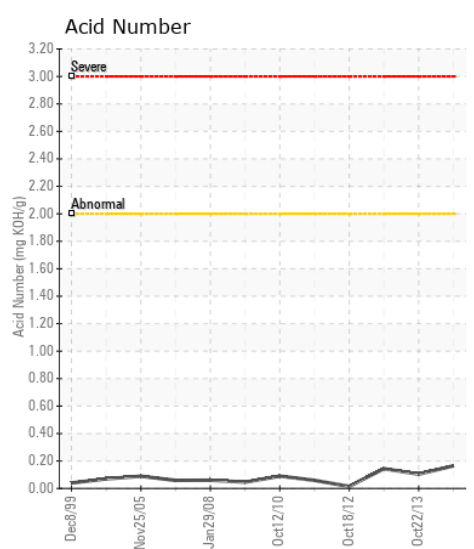
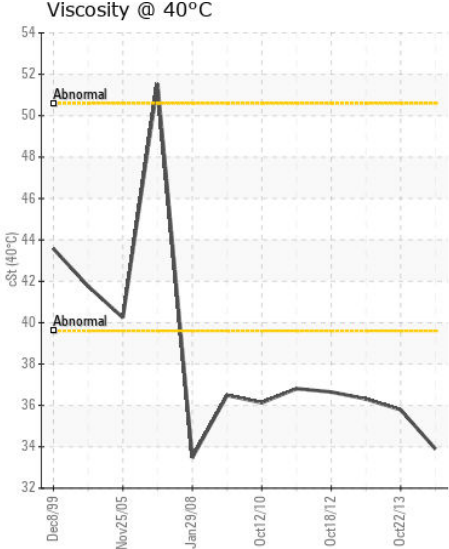
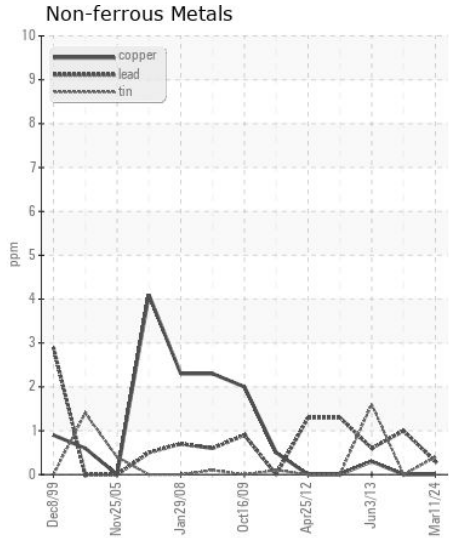
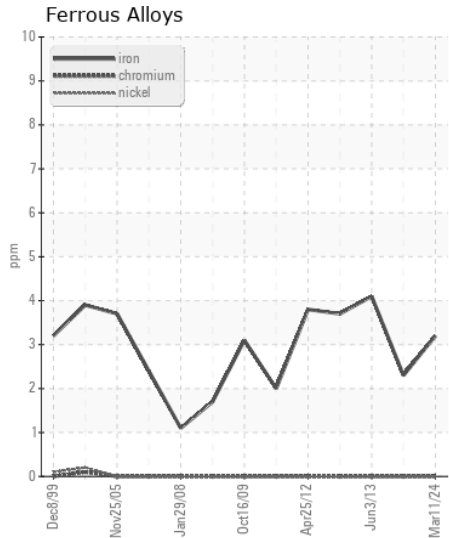
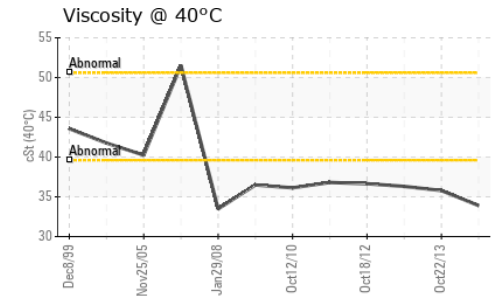
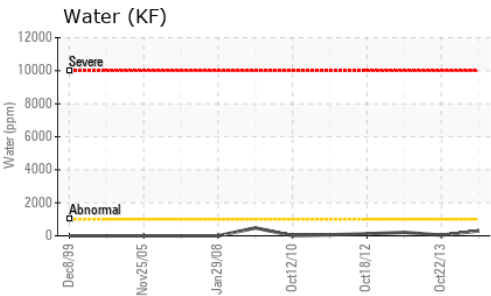
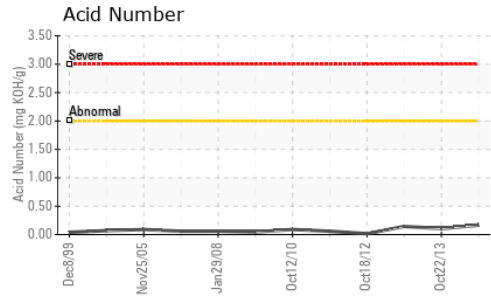
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0798544</b>	WCI2248227	WCI2217775
Sample Date		Client Info		<b>11 Mar 2024</b>	22 Oct 2013	03 Jun 2013
Machine Age	hrs	Client Info		<b>7831</b>	26099	22722
Oil Age	hrs	Client Info		<b>0</b>	0	22722
Filter Age	hrs	Client Info		<b>0</b>	0	22722
Oil Changed		Client Info		<b>Filtered</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>100	<b>3</b>	2	4
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>0</b>	<1	0
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	1	<1
Copper	ppm	ASTM D5185m	>100	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>50	<b>8</b>	34	16
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	2
Water	%	ASTM D6304	>0.1	<b>0.029</b>	0.004	0.021
ppm Water	ppm	ASTM D6304	>1000	<b>298</b>	40	210
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>0</b>	0	0
Boron	ppm	ASTM D5185m		<b>0</b>	1	1
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>0</b>	0	0
Calcium	ppm	ASTM D5185m		<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m		<b>18</b>	11	13
Zinc	ppm	ASTM D5185m		<b>0</b>	0	<1
Sulfur	ppm	ASTM D5185m		<b>13</b>	9	0
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.165</b>	0.104	0.144
Visc @ 40°C	cSt	ASTM D445		<b>33.9</b>	35.79	36.31



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0798544 **Received** : 17 Apr 2024  
**Lab Number** : 06152024 **Tested** : 18 Apr 2024  
**Unique Number** : 10982102 **Diagnosed** : 22 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KF )

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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)