



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[2311201077/1]
 Machine Id
MCQUAY TYCO CH 2 (S/N 56E81381-00)
 Component
Centrifugal Compressor
 Fluid
MCQUAY 46 (9 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

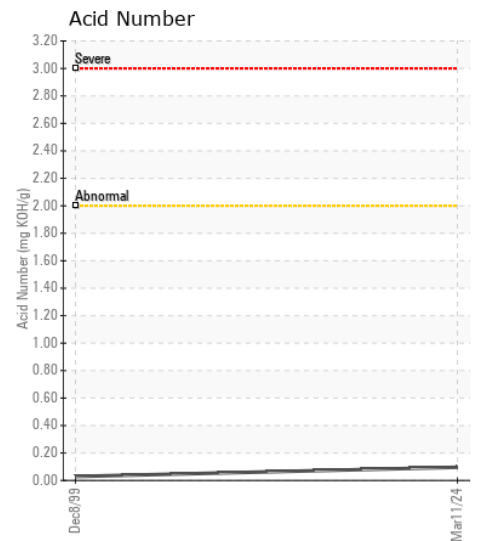
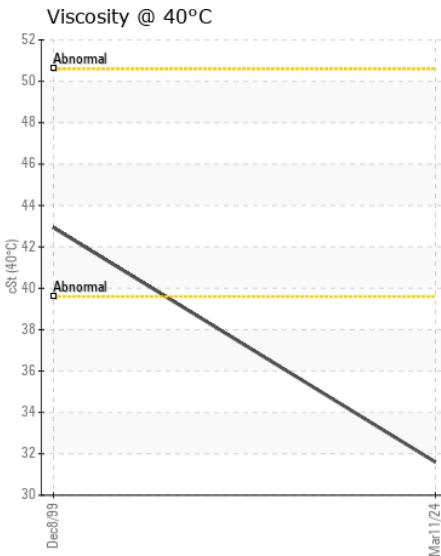
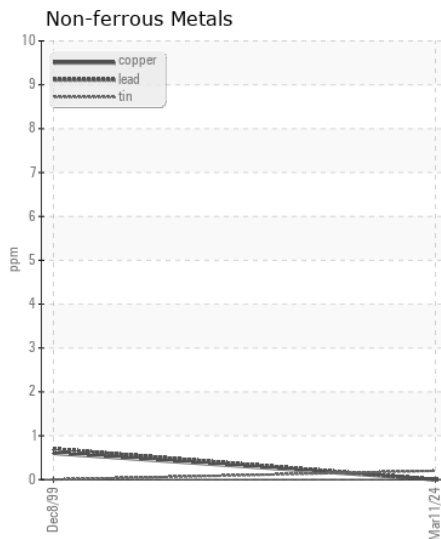
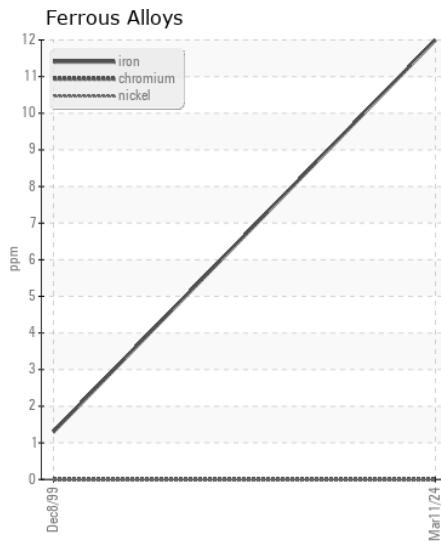
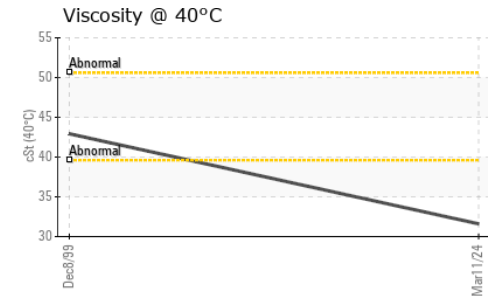
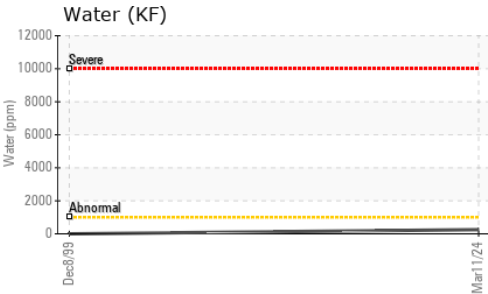
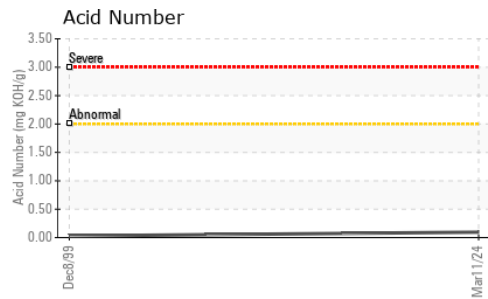
CONTAMINATION

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		WC0798546	WCI2001722	---
Sample Date		Client Info		11 Mar 2024	08 Dec 1999	---
Machine Age	hrs	Client Info		45706	7192	---
Oil Age	hrs	Client Info		0	7192	---
Filter Age	hrs	Client Info		0	7192	---
Oil Changed		Client Info		Filtered	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				NORMAL	---	---
Iron	ppm	ASTM D5185m	>100	12	1	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m		0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>50	0	<1	---
Lead	ppm	ASTM D5185m	>25	0	<1	---
Copper	ppm	ASTM D5185m	>100	0	<1	---
Tin	ppm	ASTM D5185m	>15	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>50	4	▲ 15	---
Potassium	ppm	ASTM D5185m	>20	<1	11	---
Water	%	ASTM D6304	>0.1	0.025	▲ .028	---
ppm Water	ppm	ASTM D6304	>1000	255	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---
Sodium	ppm	ASTM D5185m		0	0	---
Boron	ppm	ASTM D5185m		0	2	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		0	0	---
Magnesium	ppm	ASTM D5185m		0	<1	---
Calcium	ppm	ASTM D5185m		0	0	---
Phosphorus	ppm	ASTM D5185m		5	6	---
Zinc	ppm	ASTM D5185m		0	9	---
Sulfur	ppm	ASTM D5185m		16	0	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.096	0.029	---
Visc @ 40°C	cSt	ASTM D445		31.6	42.93	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0798546 **Received** : 17 Apr 2024
Lab Number : 06152023 **Tested** : 18 Apr 2024
Unique Number : 10982101 **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)