



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
QUINCY CAI553722 - ISCO
Component
Compressor
Fluid
QUINCY QUINSYN (--- GAL)

RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		QUC0000656	QUC0000547	QUC0000454
Sample Date		Client Info		13 May 2024	20 Nov 2023	03 Aug 2023
Machine Age	hrs	Client Info		29220	25	25
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	2	4	12
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	1	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	<1	0
Tin	ppm	ASTM D5185m	>15	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

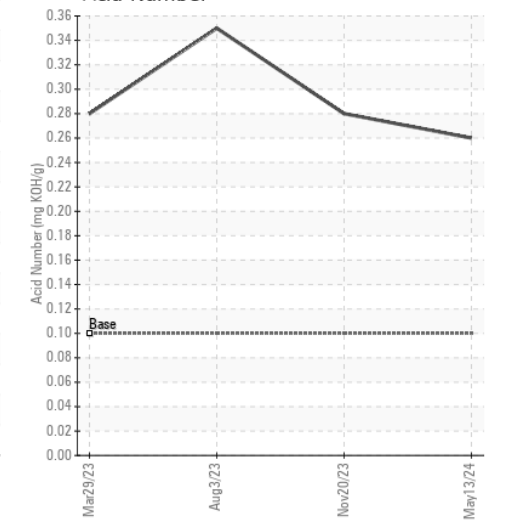
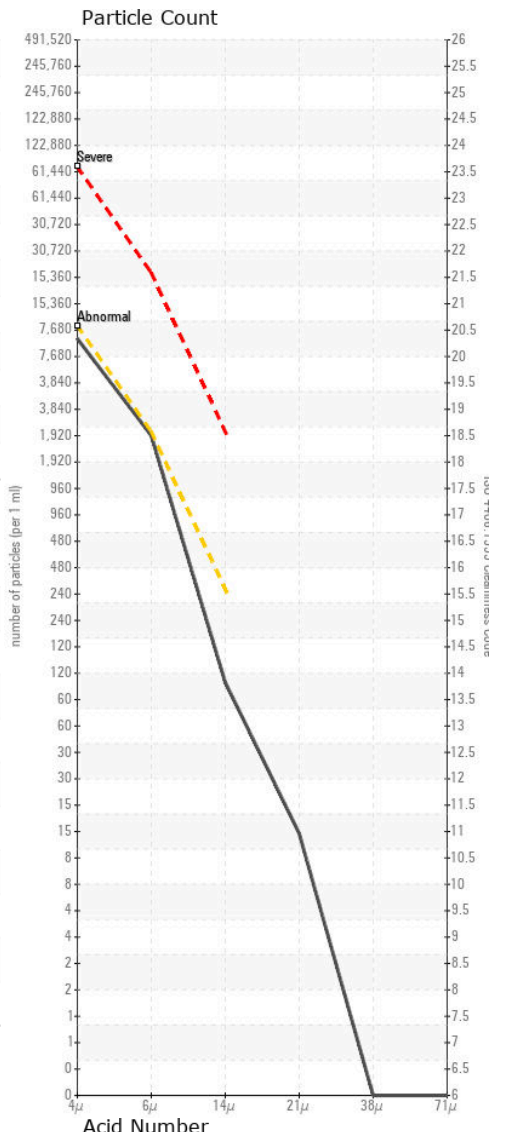
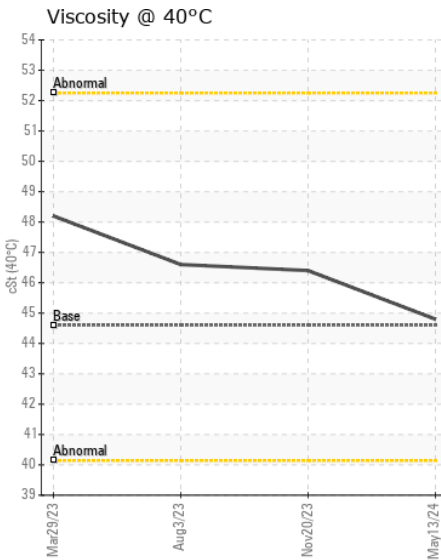
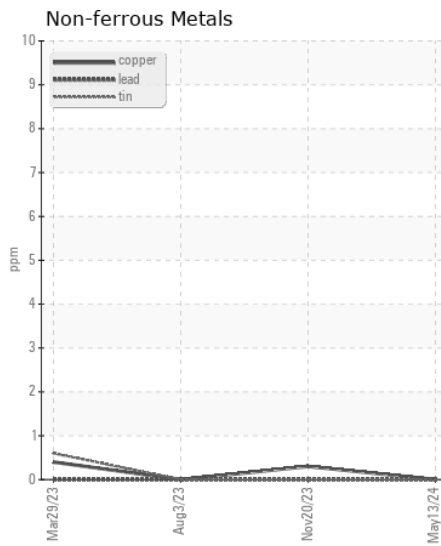
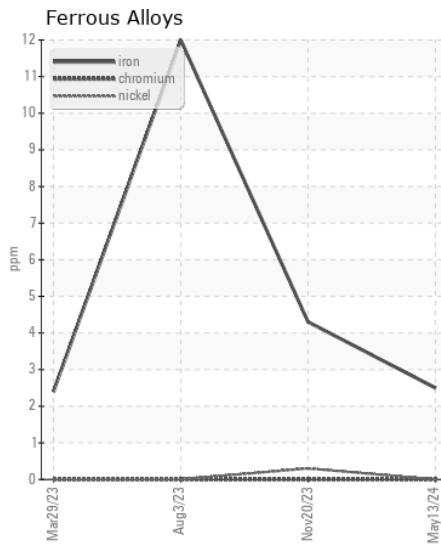
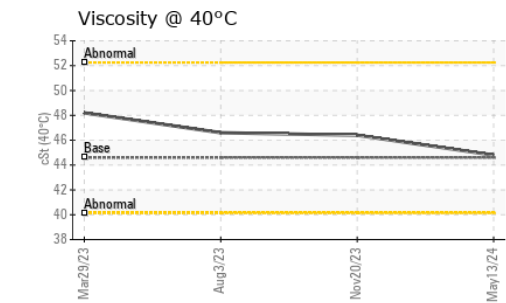
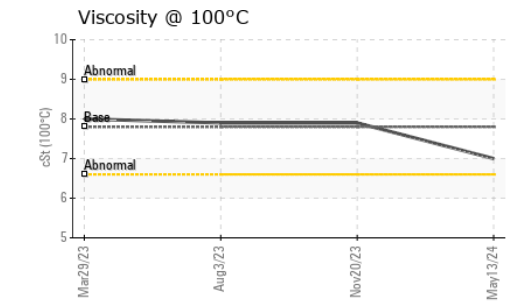
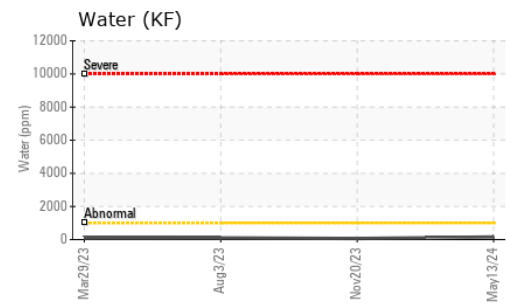
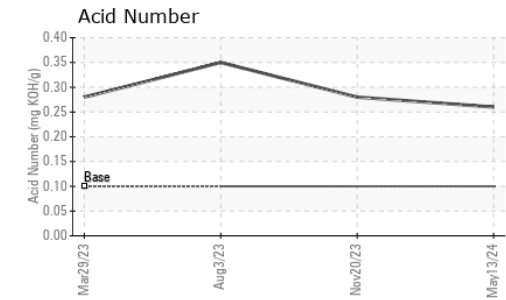
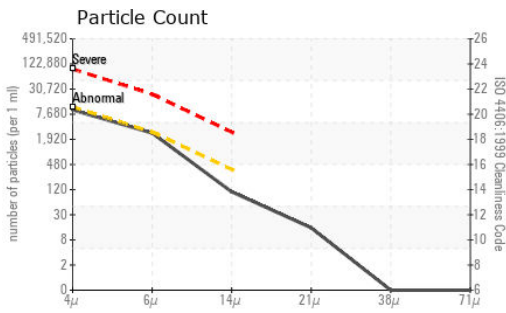
The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	2	<1
Water	%	ASTM D6304	>0.1	0.015	0.006	0.010
ppm Water	ppm	ASTM D6304	>1000	158	64	102.7
Particles >4µm		ASTM D7647	>10000	8444	▲ 33029	▲ 29193
Particles >6µm		ASTM D7647	>2500	2376	▲ 9047	● 4335
Particles >14µm		ASTM D7647	>320	94	▲ 929	231
Particles >21µm		ASTM D7647	>80	13	▲ 260	65
Particles >38µm		ASTM D7647	>20	0	10	3
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/18/14	▲ 22/20/17	▲ 22/19/15
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		1	2	4
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		0	<1	<1
Magnesium	ppm	ASTM D5185m		<1	<1	2
Calcium	ppm	ASTM D5185m		0	0	3
Phosphorus	ppm	ASTM D5185m		278	121	38
Zinc	ppm	ASTM D5185m		77	98	194
Sulfur	ppm	ASTM D5185m		622	1181	1482
Acid Number (AN)	mg KOH/g	ASTM D8045	.10	0.26	0.28	0.35
Visc @ 40°C	cSt	ASTM D445	44.6	44.8	46.4	46.6
Visc @ 100°C	cSt	ASTM D445	7.8	7.0	7.9	7.9
Viscosity Index (VI)	Scale	ASTM D2270	132	114	141	140



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : QUC0000656 **Received** : 14 Jun 2024
Lab Number : 06210111 **Tested** : 17 Jun 2024
Unique Number : 11082975 **Diagnosed** : 17 Jun 2024 - Angela Borella
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

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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