



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
QUINCY 60508F - NEWCOMB SPRINGS

Component
Compressor

Fluid
QUINCY QUINSYN (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TO50001849	QUC0000569	QUC0000130
Sample Date		Client Info		10 Jan 2024	10 Oct 2023	07 Oct 2022
Machine Age	hrs	Client Info		39950	3877	33000
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	1000
Oil Changed		Client Info		Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				SEVERE	ABNORMAL	ABNORMAL

WEAR

Bearing and/or bushing wear is indicated.

Iron	ppm	ASTM D5185m	>50	1	11	15
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	8	▲ 32
Lead	ppm	ASTM D5185m	>25	▲ 43	0	0
Copper	ppm	ASTM D5185m	>50	▲ 59	<1	<1
Tin	ppm	ASTM D5185m	>15	2	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

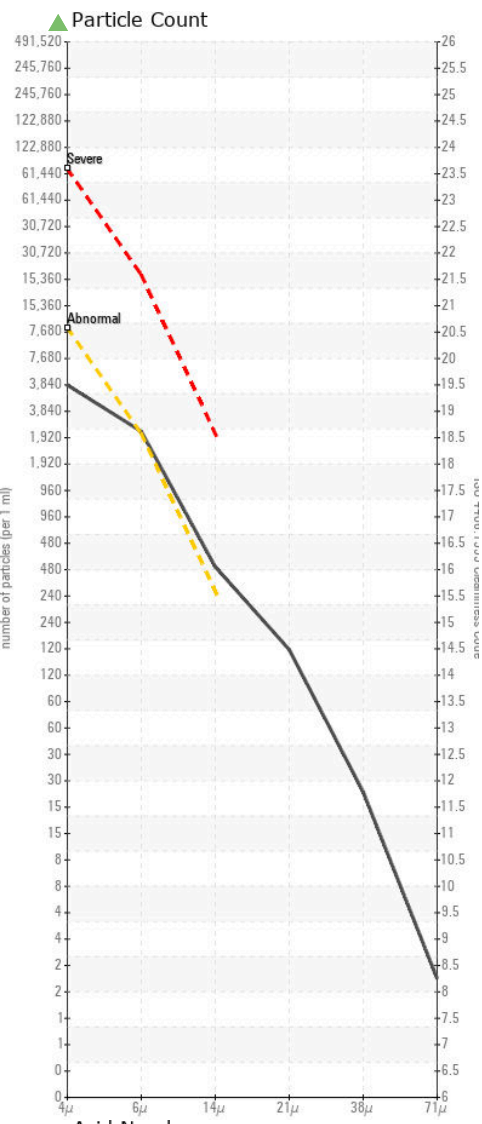
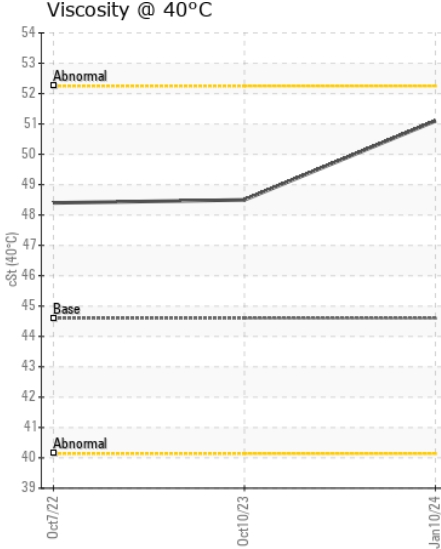
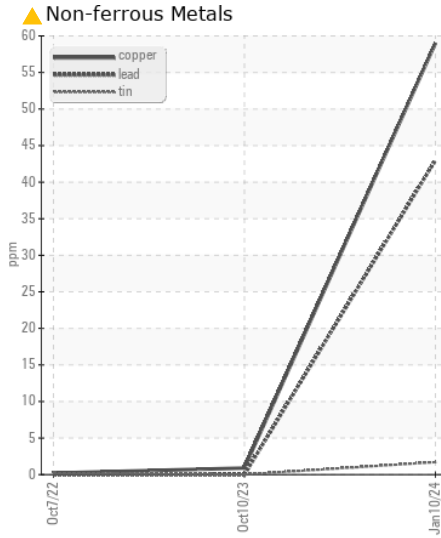
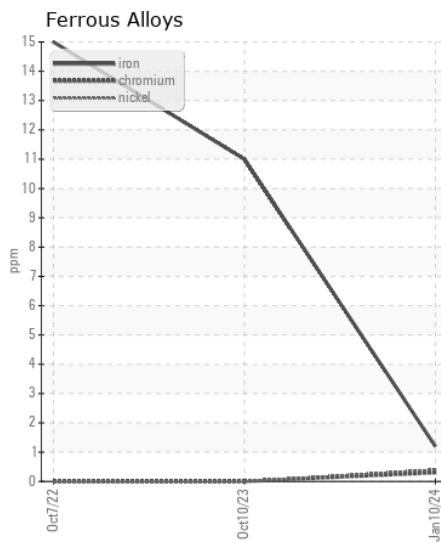
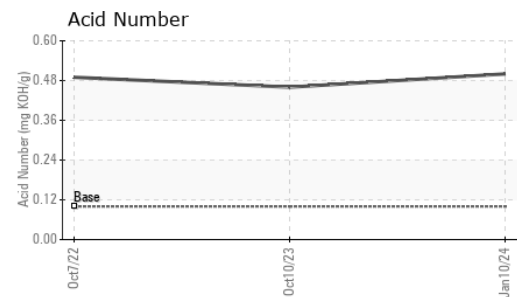
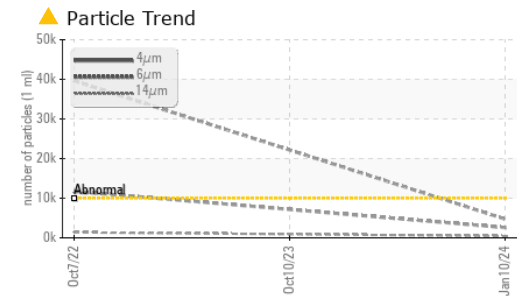
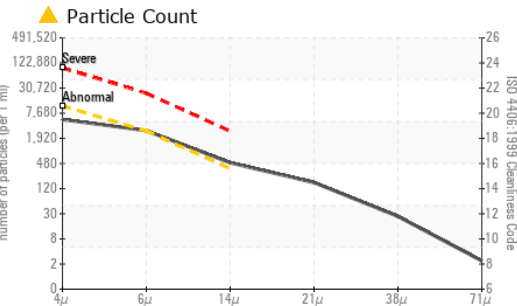
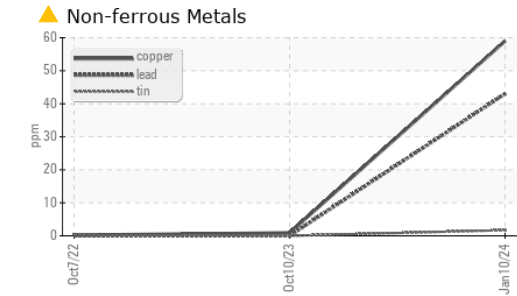
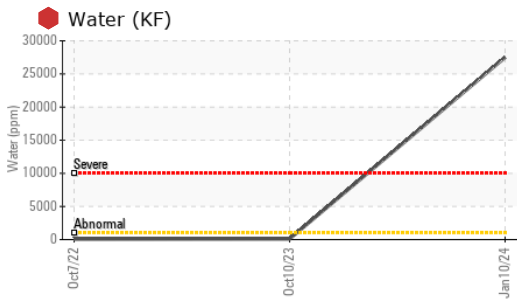
There is a moderate amount of particulates present in the oil. Excessive free water present. There is a high concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>25	5	0	<1
Potassium	ppm	ASTM D5185m	>20	2	2	1
Water	%	ASTM D6304	>0.1	● 2.75	0.009	0.007
ppm Water	ppm	ASTM D6304	>1000	● 27500	99.3	76.1
Particles >4µm		ASTM D7647	>10000	4724	---	▲ 39627
Particles >6µm		ASTM D7647	>2500	▲ 2573	---	▲ 11732
Particles >14µm		ASTM D7647	>320	▲ 438	---	▲ 1377
Particles >21µm		ASTM D7647	>80	▲ 148	---	▲ 351
Particles >38µm		ASTM D7647	>20	▲ 23	---	▲ 28
Particles >71µm		ASTM D7647	>4	2	---	1
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 19/19/16	---	▲ 22/21/18
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	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	● 0.2%	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid.

Sodium	ppm	ASTM D5185m		6	<1	0
Boron	ppm	ASTM D5185m		<1	0	0
Barium	ppm	ASTM D5185m		24	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		3	0	0
Calcium	ppm	ASTM D5185m		18	0	0
Phosphorus	ppm	ASTM D5185m		317	58	94
Zinc	ppm	ASTM D5185m		9	0	3
Sulfur	ppm	ASTM D5185m		408	407	601
Acid Number (AN)	mg KOH/g	ASTM D8045	.10	0.50	0.46	0.49
Visc @ 40°C	cSt	ASTM D445	44.6	51.1	48.5	48.4
Visc @ 100°C	cSt	ASTM D445	7.8	5.9	8.2	8.3
Viscosity Index (VI)	Scale	ASTM D2270	132	26	142	146



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO50001849 **Received** : 30 Jan 2024
Lab Number : 06074693 **Diagnosed** : 05 Feb 2024
Unique Number : 10856784 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

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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)