

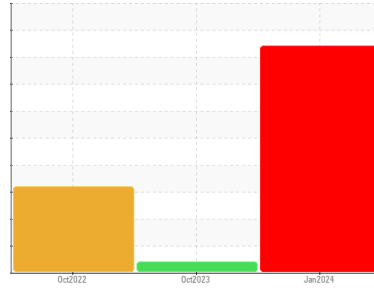
PROBLEM SUMMARY

Sample Rating Trend

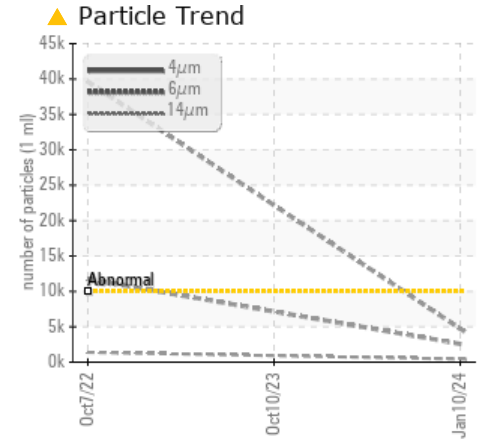
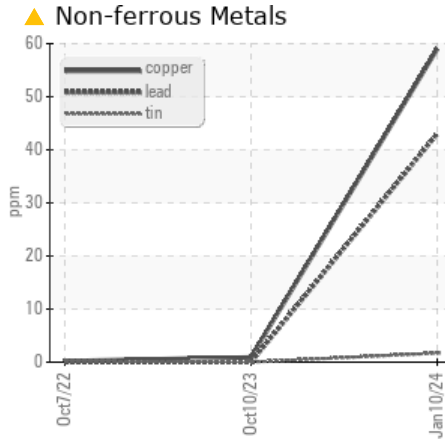
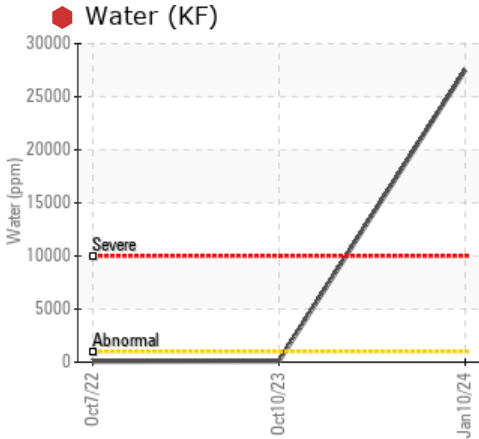
WATER



Machine Id
QUINCY 60508F - NEWCOMB SPRINGS
Component
Compressor
Fluid
QUINCY QUINSYN (--- GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ABNORMAL	ABNORMAL
Lead	ppm	ASTM D5185m	>25	▲ 43	0	0
Copper	ppm	ASTM D5185m	>50	▲ 59	<1	<1
Water	%	ASTM D6304	>0.1	● 2.75	0.009	0.007
ppm Water	ppm	ASTM D6304	>1000	● 27500	99.3	76.1
Emulsified Water	scalar	*Visual	>0.1	● 0.2%	NEG	NEG

Customer Id: QUAALV
Sample No.: TO50001849
Lab Number: 06074693
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

10 Oct 2023 Diag: Don Baldrige

VIS DEBRIS



No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



07 Oct 2022 Diag: Doug Bogart

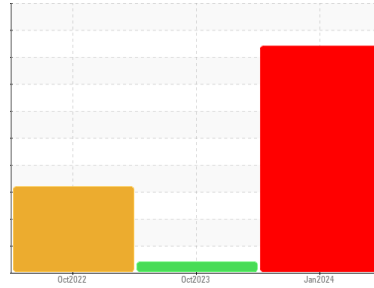
WEAR



No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The aluminum level is abnormal. All other component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report





Machine Id
QUINCY 60508F - NEWCOMB SPRINGS
 Component
Compressor
 Fluid
QUINCY QUINSYN (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

Bearing and/or bushing wear is indicated.

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.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	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
Oil Changed	Client Info		Changed	Not Changd	Not Changd
Sample Status			SEVERE	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
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
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
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

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	5	0	<1
Sodium	ppm	ASTM D5185m	6	<1	0
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

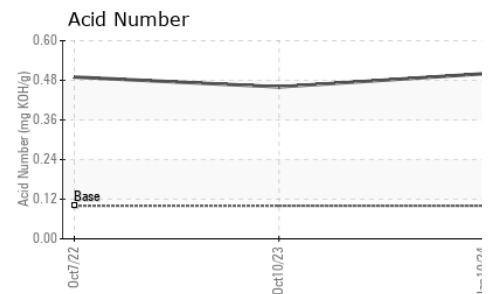
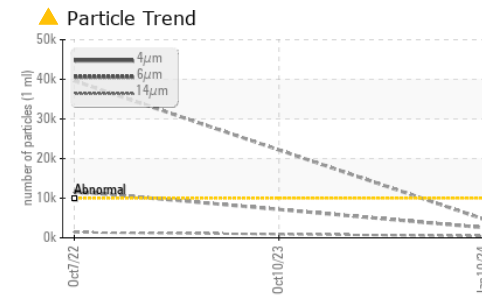
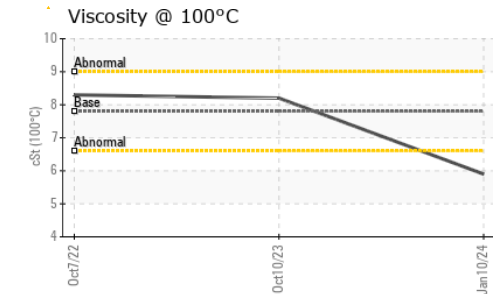
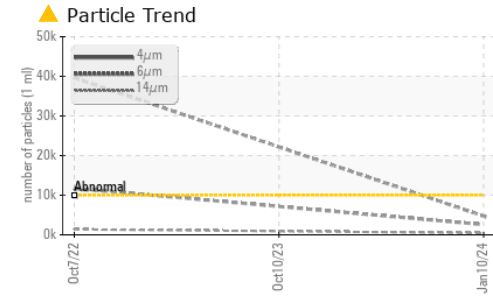
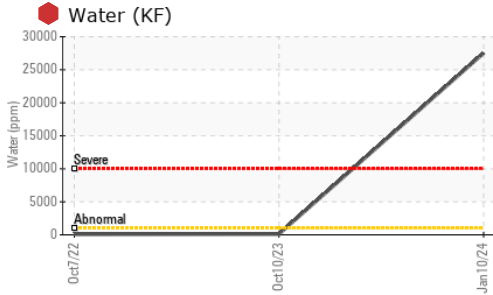
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
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

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 .10	0.50	0.46	0.49

OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	▲ 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
Free Water	scalar	*Visual		▲ >10%	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
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

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO50001849 **Received** : 30 Jan 2024
Lab Number : 06074693 **Tested** : 02 Feb 2024
Unique Number : 10856784 **Diagnosed** : 05 Feb 2024 - Jonathan Hester
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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