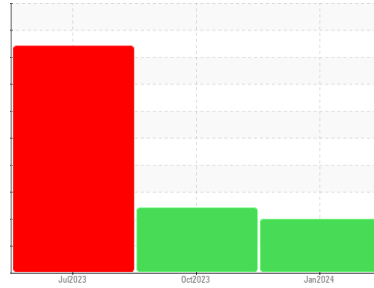


Machine Id  
**QUINCY 88362 - BUILDERS 1ST DALLAS**  
 Component  
**Compressor**  
 Fluid  
**QUINCY QUINSYN (--- GAL)**



## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of particulates present in the oil. The water content is negligible.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>TO50001868</b>	QUC0000523	QUC0000472
Sample Date	Client Info		<b>24 Jan 2024</b>	24 Oct 2023	14 Jul 2023
Machine Age	hrs	Client Info	<b>16381</b>	0	15580
Oil Age	hrs	Client Info	<b>0</b>	10	0
Oil Changed	Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status			<b>ABNORMAL</b>	ABNORMAL	SEVERE

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>12</b>	6	---
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	3	---
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >50	<b>2</b>	0	---
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Calcium	ppm	ASTM D5185m	<b>0</b>	2	---
Phosphorus	ppm	ASTM D5185m	<b>82</b>	99	---
Zinc	ppm	ASTM D5185m	<b>67</b>	47	---
Sulfur	ppm	ASTM D5185m	<b>903</b>	837	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>&lt;1</b>	2	---
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	4	---
Potassium	ppm	ASTM D5185m >20	<b>3</b>	1	---
Water	%	ASTM D6304 >0.1	<b>0.007</b>	0.005	90.0
ppm Water	ppm	ASTM D6304 >1000	<b>80</b>	53.0	900000

## FLUID CLEANLINESS

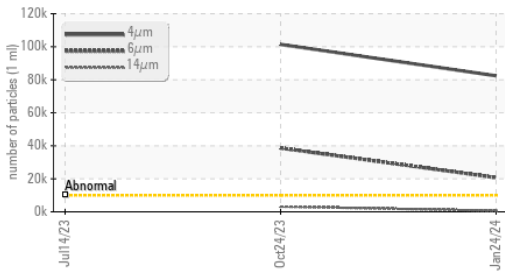
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	<b>▲ 82389</b>	▲ 101395	---
Particles >6µm	ASTM D7647	>2500	<b>▲ 20728</b>	▲ 38627	---
Particles >14µm	ASTM D7647	>320	<b>▲ 621</b>	▲ 3160	---
Particles >21µm	ASTM D7647	>80	<b>▲ 97</b>	▲ 726	---
Particles >38µm	ASTM D7647	>20	<b>2</b>	▲ 19	---
Particles >71µm	ASTM D7647	>4	<b>0</b>	1	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<b>▲ 24/22/16</b>	▲ 24/22/19	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 .10	<b>0.28</b>	0.25	---

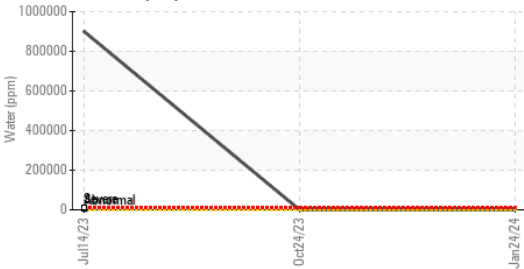
# OIL ANALYSIS REPORT

## Particle Trend



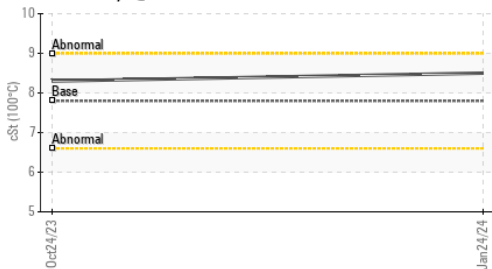
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	0.2%
Free Water	scalar	*Visual		NEG	>10%

## Water (KF)

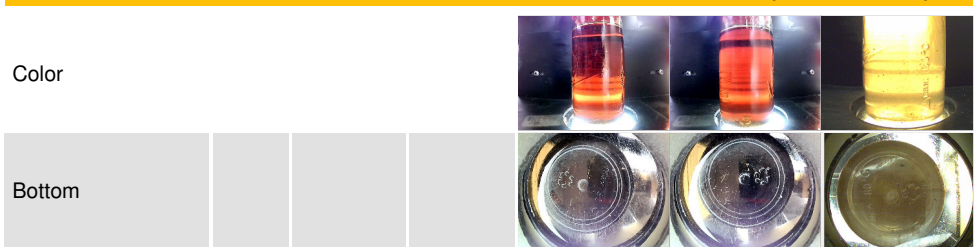


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.6	50.6	49.8
Visc @ 100°C	cSt	ASTM D445	7.8	8.5	8.3
Viscosity Index (VI)	Scale	ASTM D2270	132	144	140

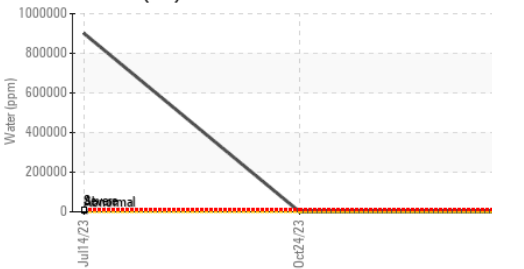
## Viscosity @ 100°C



## SAMPLE IMAGES

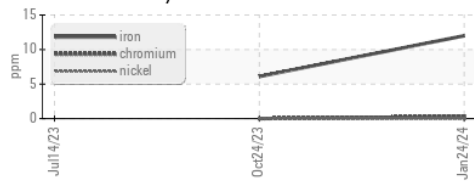


## Water (KF)

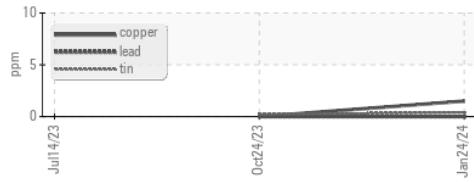


## GRAPHS

### Ferrous Alloys



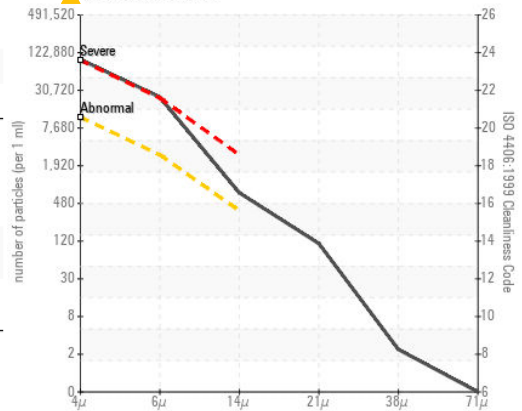
### Non-ferrous Metals



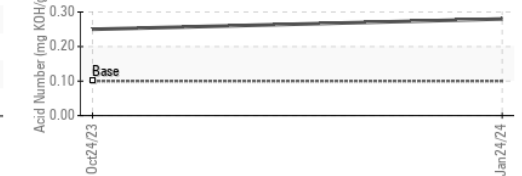
### Viscosity @ 40°C



### Particle Count



### Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO50001868 **Received** : 30 Jan 2024  
**Lab Number** : 06074708 **Diagnosed** : 01 Feb 2024  
**Unique Number** : 10856799 **Diagnostician** : 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)

### QUALITY COMPRESSOR

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 US 76009  
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 T: (817)822-1333  
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