



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**QUINCY UN064809 - QUALITY PACKAGING**

Component  
**Compressor**

Fluid  
**QUINCY QUINSYN (--- GAL)**

### RECOMMENDATION

Oil and 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>QUC0000908</b>	QUC0000730	QUC0000576
Sample Date		Client Info		<b>06 Jun 2024</b>	19 Feb 2024	11 Aug 2023
Machine Age	hrs	Client Info		<b>27929</b>	27823	25101
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

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

### CONTAMINATION

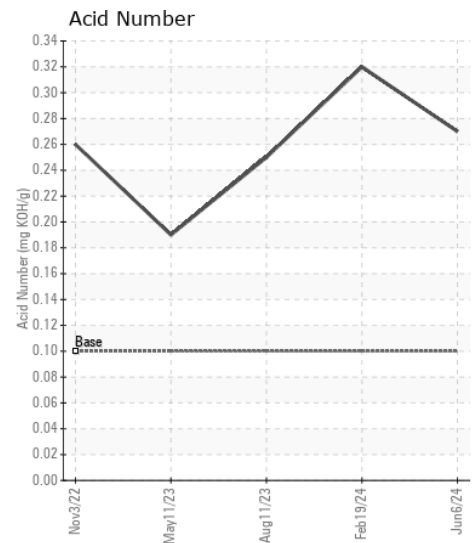
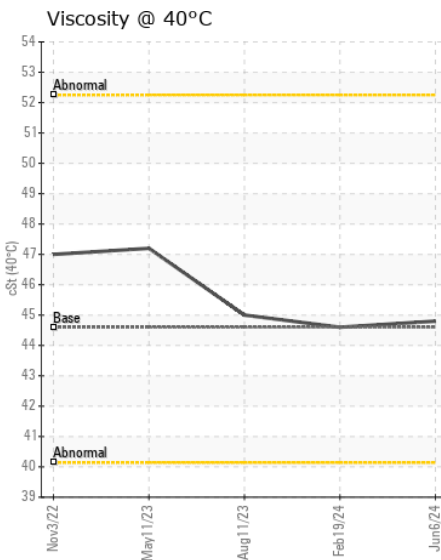
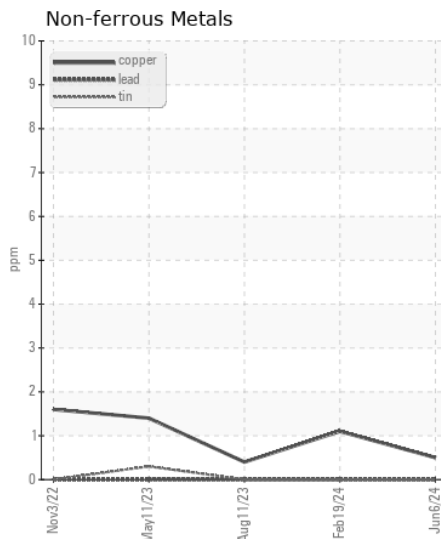
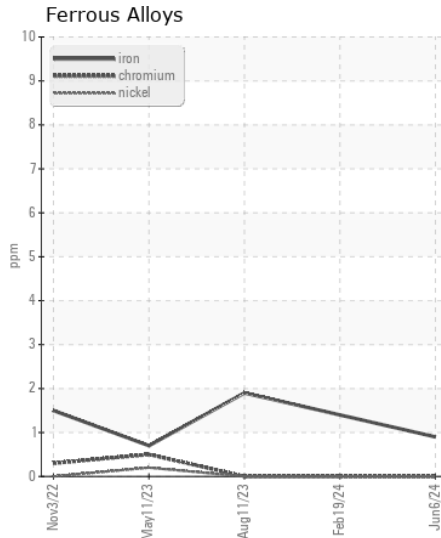
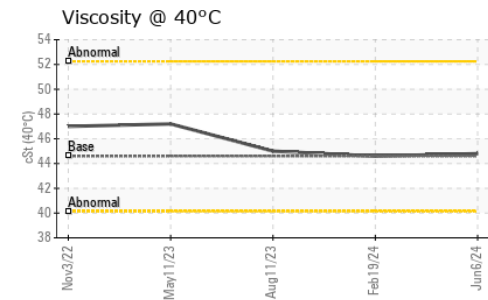
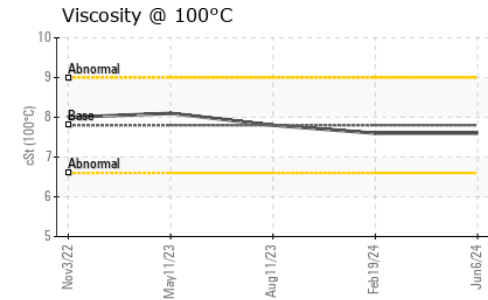
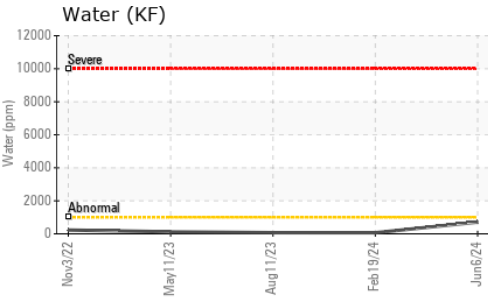
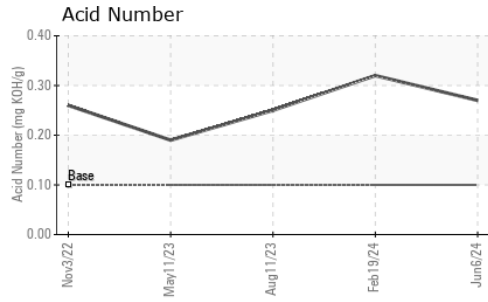
High concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	1	0
Water	%	ASTM D6304	>0.1	<b>0.071</b>	0.006	0.006
ppm Water	ppm	ASTM D6304	>1000	<b>710</b>	66	69.6
Particles >4µm		ASTM D7647	>10000	<b>---</b>	▲ 108891	▲ 33514
Particles >6µm		ASTM D7647	>2500	<b>---</b>	▲ 24067	▲ 8336
Particles >14µm		ASTM D7647	>320	<b>---</b>	▲ 1518	▲ 614
Particles >21µm		ASTM D7647	>80	<b>---</b>	▲ 322	▲ 171
Particles >38µm		ASTM D7647	>20	<b>---</b>	5	10
Particles >71µm		ASTM D7647	>4	<b>---</b>	0	1
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>---</b>	▲ 24/22/18	▲ 22/20/16
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>0.2%</b>	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		<b>5</b>	14	10
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>0</b>	0	2
Calcium	ppm	ASTM D5185m		<b>&lt;1</b>	1	3
Phosphorus	ppm	ASTM D5185m		<b>132</b>	117	0
Zinc	ppm	ASTM D5185m		<b>81</b>	79	92
Sulfur	ppm	ASTM D5185m		<b>1227</b>	1075	1231
Acid Number (AN)	mg KOH/g	ASTM D8045	.10	<b>0.27</b>	0.32	0.25
Visc @ 40°C	cSt	ASTM D445	44.6	<b>44.8</b>	44.6	45.0
Visc @ 100°C	cSt	ASTM D445	7.8	<b>7.6</b>	7.6	7.8
Viscosity Index (VI)	Scale	ASTM D2270	132	<b>137</b>	138	143



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : QUC0000908 **Received** : 14 Jun 2024  
**Lab Number** : 06210103 **Tested** : 18 Jun 2024  
**Unique Number** : 11082967 **Diagnosed** : 18 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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