



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
QUINCY 36657 - LAND O LAKES

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		QUC0000811	QUC0000180	QUC0000067
Sample Date		Client Info		22 May 2024	04 Nov 2022	18 Jul 2022
Machine Age	hrs	Client Info		53361	52699	52695
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				ABNORMAL	ABNORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<1	<1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	11	▲ 65	49
Tin	ppm	ASTM D5185m	>15	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

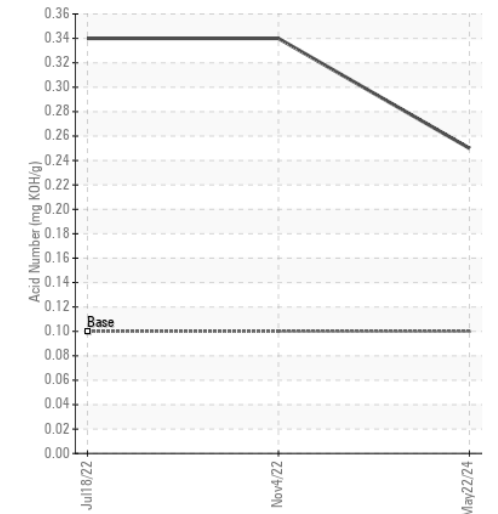
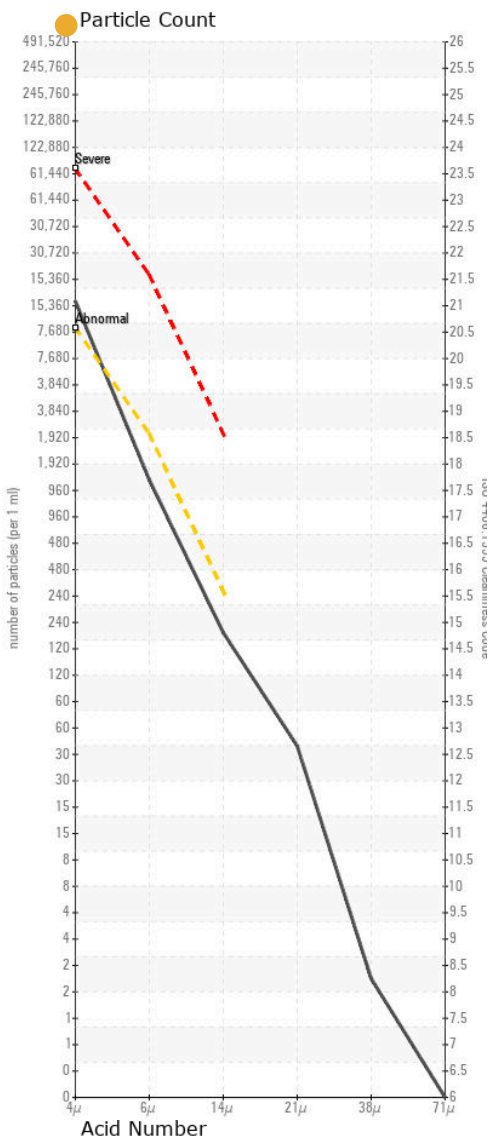
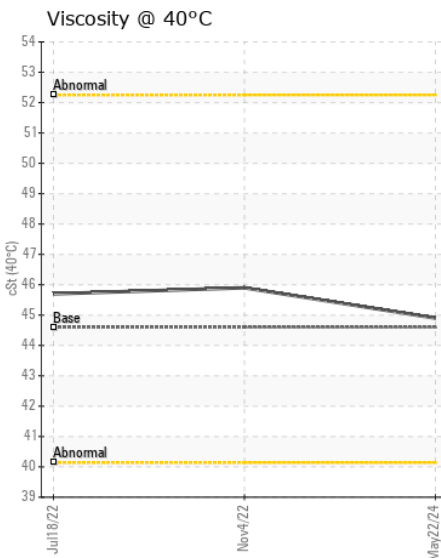
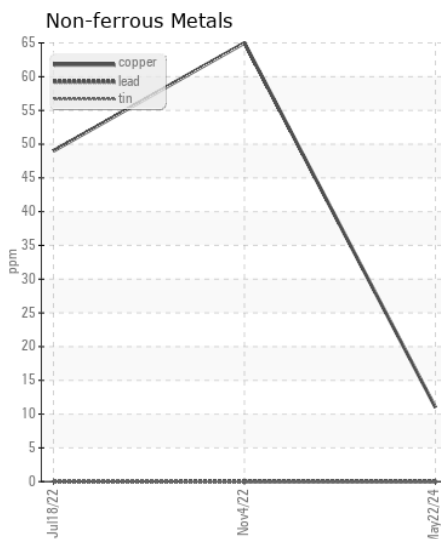
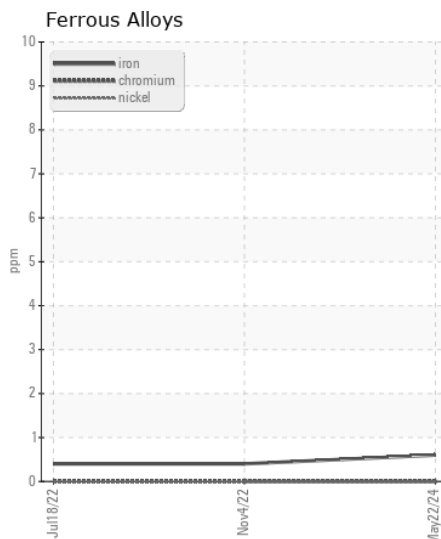
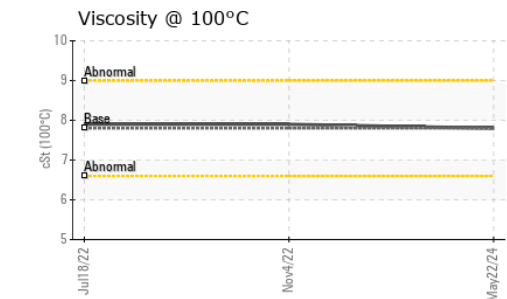
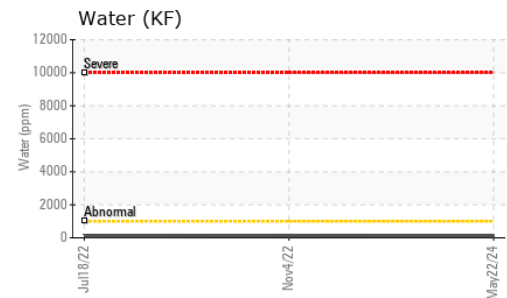
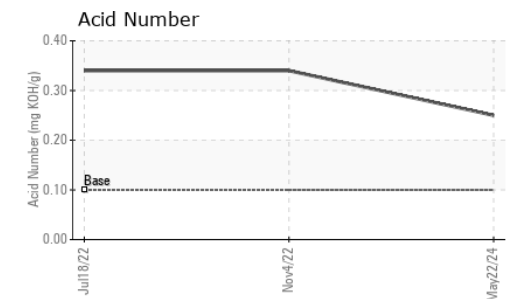
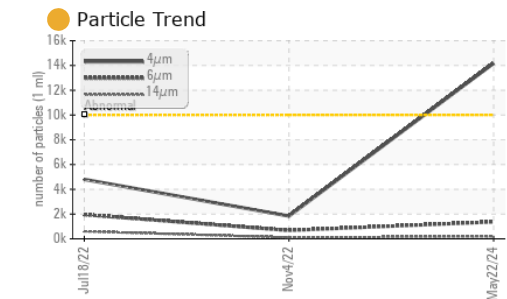
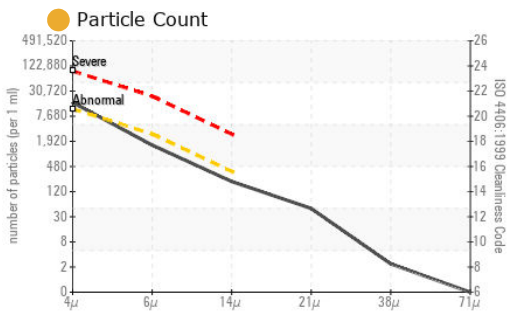
There is a moderate amount of particulates present in the oil. Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	1	<1
Potassium	ppm	ASTM D5185m	>20	0	2	2
Water	%	ASTM D6304	>0.1	0.011	0.012	0.009
ppm Water	ppm	ASTM D6304	>1000	111	120.2	98.4
Particles >4µm		ASTM D7647	>10000	● 14176	1839	4799
Particles >6µm		ASTM D7647	>2500	● 1368	676	1955
Particles >14µm		ASTM D7647	>320	● 185	105	● 602
Particles >21µm		ASTM D7647	>80	● 42	41	● 257
Particles >38µm		ASTM D7647	>20	● 2	3	12
Particles >71µm		ASTM D7647	>4	● 0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	● 21/18/15	18/17/14	● 19/18/16
Silt	scalar	*Visual	NONE	● NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	VLITE	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 suitable for further service.

Sodium	ppm	ASTM D5185m		3	6	6
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	2	2
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m		16	65	73
Phosphorus	ppm	ASTM D5185m		97	89	92
Zinc	ppm	ASTM D5185m		37	53	46
Sulfur	ppm	ASTM D5185m		1169	924	1071
Acid Number (AN)	mg KOH/g	ASTM D8045	.10	0.25	0.34	0.34
Visc @ 40°C	cSt	ASTM D445	44.6	44.9	45.9	45.7
Visc @ 100°C	cSt	ASTM D445	7.8	7.8	7.9	7.9
Viscosity Index (VI)	Scale	ASTM D2270	132	143	143	144



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : QUC0000811 **Received** : 14 Jun 2024
Lab Number : 06210095 **Tested** : 17 Jun 2024
Unique Number : 11082959 **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)

QUALITY COMPRESSOR

4428 CR 616

ALVARADO, TX

US 76009

Contact: SEAN

SEAN@QCOMPRESSOR.COM

T: (817)822-1333

F: