



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
QUINCY UTY303158 - ENNIS PLANT NORTH

Component
Compressor

Fluid
QUINCY QUINSYN (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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		QUC0000850	QUC0000557	QUC0000493
Sample Date		Client Info		22 Apr 2024	28 Aug 2023	24 Apr 2023
Machine Age	hrs	Client Info		21836	21473	20869
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	14	13	0
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	1	0	6
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	0	0
Tin	ppm	ASTM D5185m	>15	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

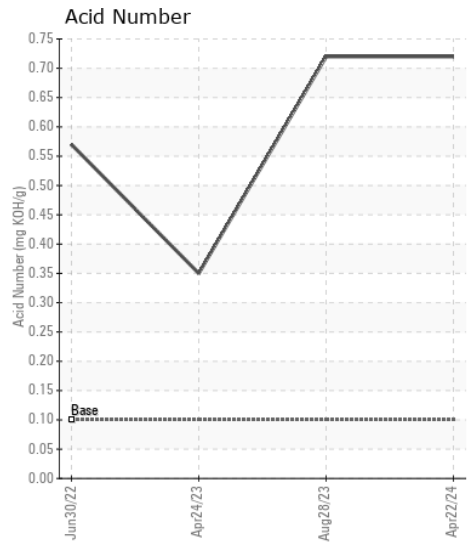
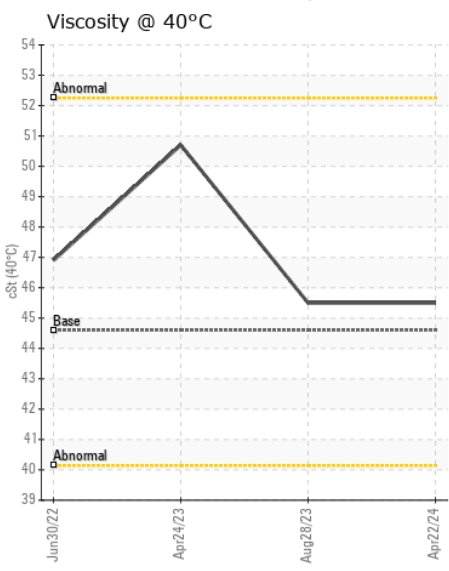
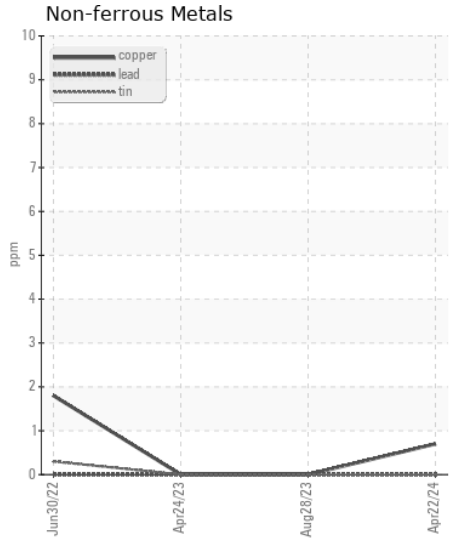
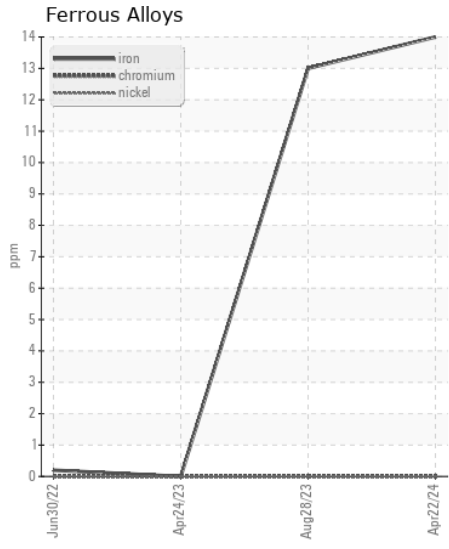
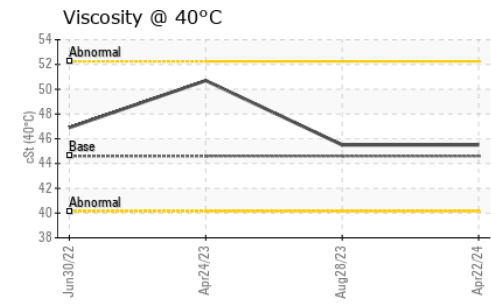
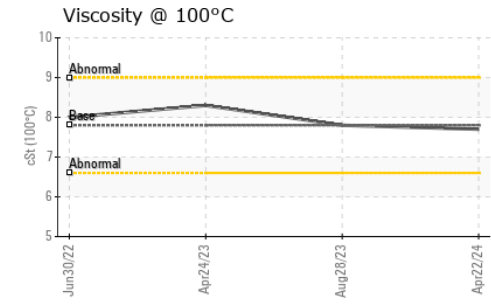
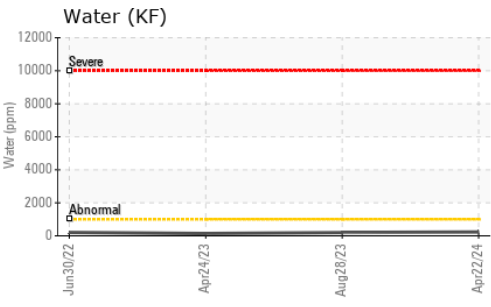
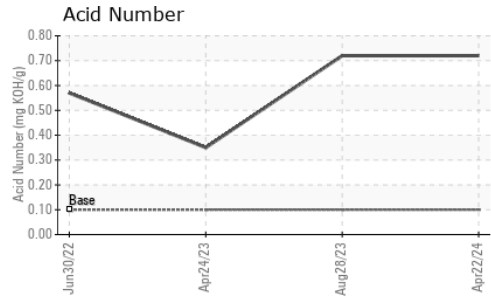
There is a high amount of visible silt present in the sample.

Silicon	ppm	ASTM D5185m	>25	<1	1	3
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.1	0.022	0.020	0.013
ppm Water	ppm	ASTM D6304	>1000	230	202.3	137.6
Particles >4µm		ASTM D7647	>10000	---	▲ 30104	---
Particles >6µm		ASTM D7647	>2500	---	▲ 6090	---
Particles >14µm		ASTM D7647	>320	---	▲ 556	---
Particles >21µm		ASTM D7647	>80	---	▲ 184	---
Particles >38µm		ASTM D7647	>20	---	14	---
Particles >71µm		ASTM D7647	>4	---	1	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	---	▲ 22/20/16	---
Silt	scalar	*Visual	NONE	NONE	NONE	▲ MODER
Debris	scalar	*Visual	NONE	▲ HEAVY	NONE	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		2	2	0
Boron	ppm	ASTM D5185m		<1	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	1	4
Calcium	ppm	ASTM D5185m		0	1	0
Phosphorus	ppm	ASTM D5185m		107	0	53
Zinc	ppm	ASTM D5185m		32	33	1
Sulfur	ppm	ASTM D5185m		1019	1164	153
Acid Number (AN)	mg KOH/g	ASTM D8045	.10	0.72	0.72	0.35
Visc @ 40°C	cSt	ASTM D445	44.6	45.5	45.5	50.7
Visc @ 100°C	cSt	ASTM D445	7.8	7.7	7.8	8.3
Viscosity Index (VI)	Scale	ASTM D2270	132	137	141	137



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : QUC0000850 **Received** : 14 Jun 2024
Lab Number : 06210128 **Tested** : 18 Jun 2024
Unique Number : 11082992 **Diagnosed** : 18 Jun 2024 - Angela Borella
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

QUALITY COMPRESSOR
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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)