



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PALATEK 10H065 - DALLAS SOFA

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		QUC0000615	QUC0000324	QUC0000041
Sample Date		Client Info		20 May 2024	11 May 2023	09 Dec 2022
Machine Age	hrs	Client Info		23023	20016	18964
Oil Age	hrs	Client Info		0	3000	0
Filter Age	hrs	Client Info		0	3000	0
Oil Changed		Client Info		Changed	Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

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

CONTAMINATION

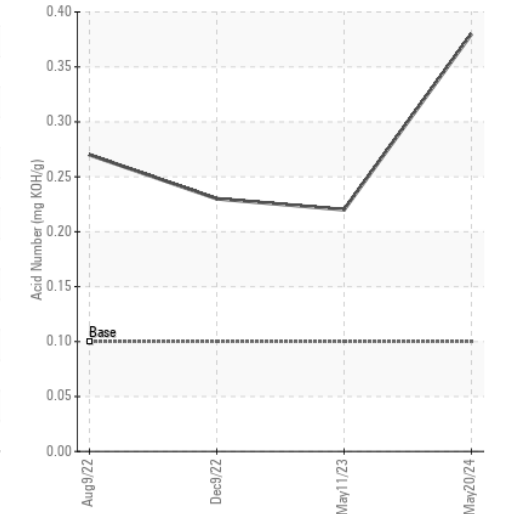
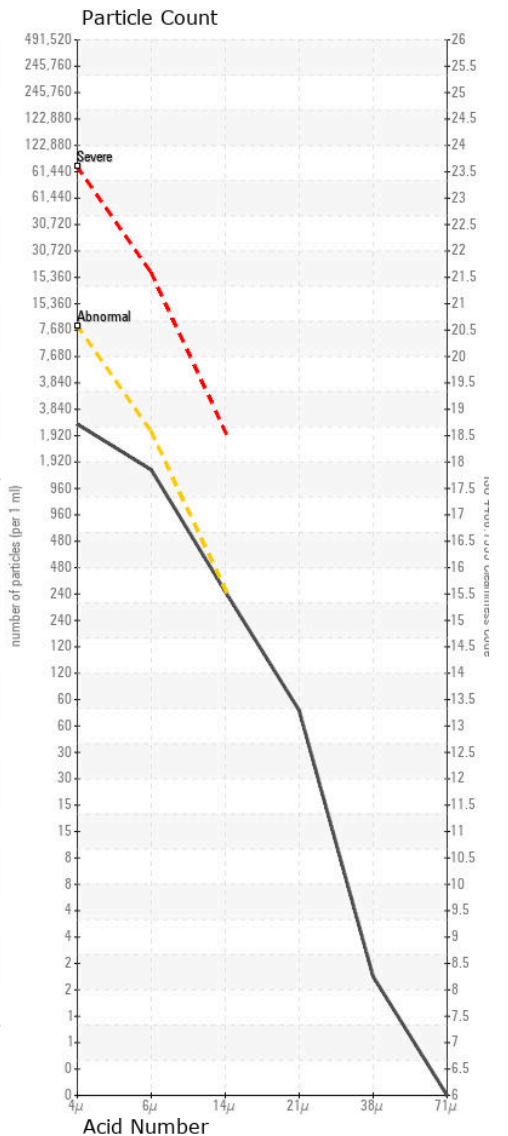
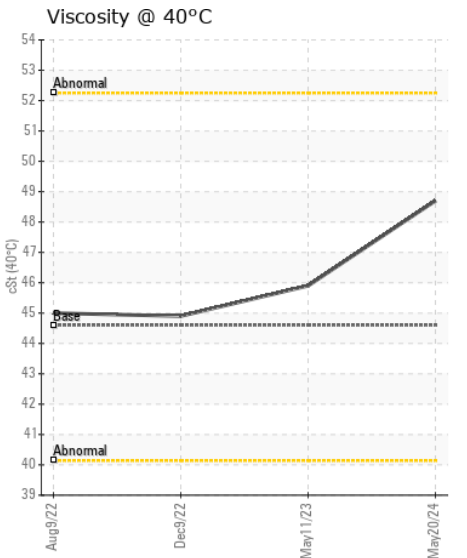
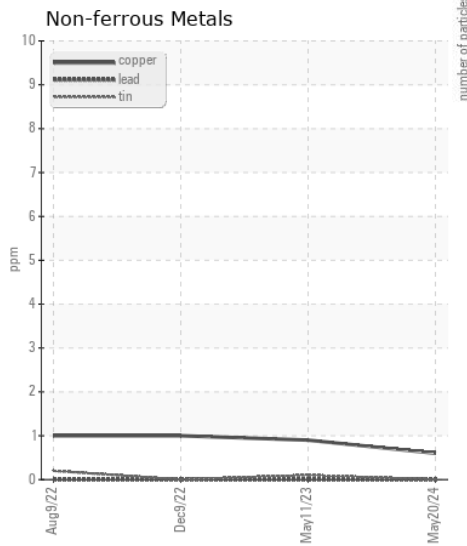
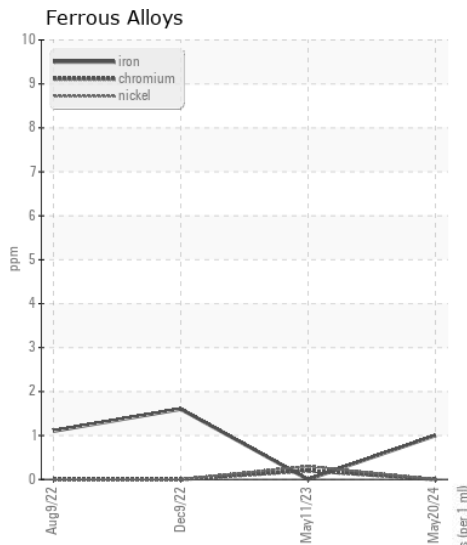
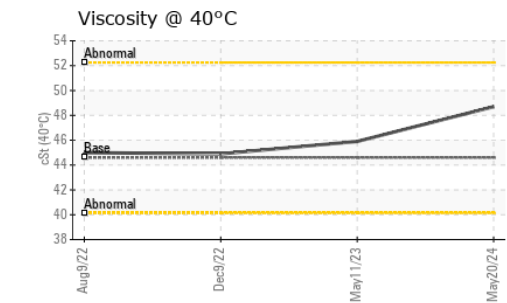
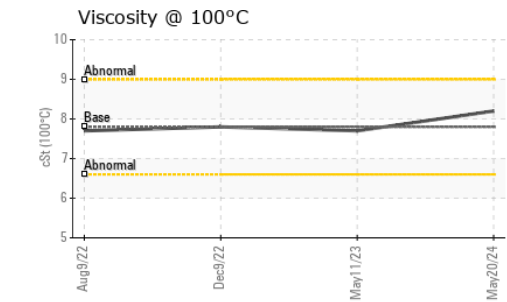
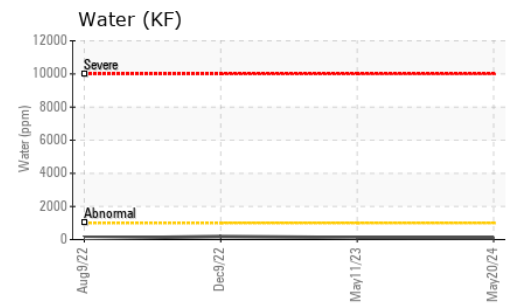
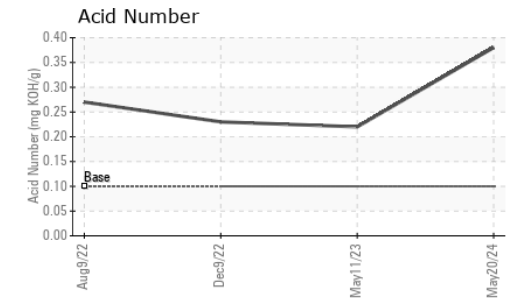
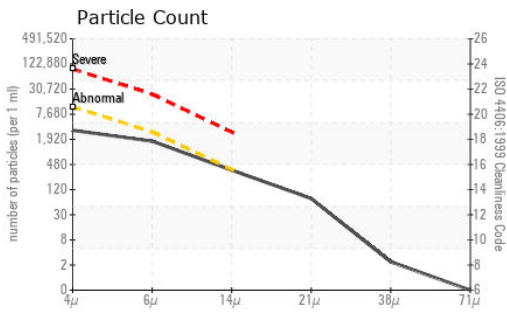
The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>25	<1	<1	2
Potassium	ppm	ASTM D5185m	>20	<1	2	2
Water	%	ASTM D6304	>0.1	0.008	0.011	0.018
ppm Water	ppm	ASTM D6304	>1000	88	119.9	188.3
Particles >4µm		ASTM D7647	>10000	2758	● 17638	▲ 156021
Particles >6µm		ASTM D7647	>2500	1518	▲ 5861	▲ 99953
Particles >14µm		ASTM D7647	>320	309	● 437	▲ 29488
Particles >21µm		ASTM D7647	>80	65	101	▲ 7815
Particles >38µm		ASTM D7647	>20	2	1	▲ 234
Particles >71µm		ASTM D7647	>4	0	0	▲ 6
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/18/15	▲ 21/20/16	▲ 24/24/22
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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 acceptable for the time in service.

Sodium	ppm	ASTM D5185m		17	13	11
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	1	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		0	10	1
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		137	209	254
Zinc	ppm	ASTM D5185m		339	101	101
Sulfur	ppm	ASTM D5185m		1116	1149	1395
Acid Number (AN)	mg KOH/g	ASTM D8045	.10	0.38	0.22	0.23
Visc @ 40°C	cSt	ASTM D445	44.6	48.7	45.9	44.9
Visc @ 100°C	cSt	ASTM D445	7.8	8.2	7.7	7.8
Viscosity Index (VI)	Scale	ASTM D2270	132	141	135	143



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : QUC0000615 **Received** : 14 Jun 2024
Lab Number : 06210101 **Tested** : 17 Jun 2024
Unique Number : 11082965 **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: