



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

Machine Id  
**SHULTZ 33832 - SABRE**  
 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		<b>QUC0000642</b>	TO50001860	QUC0000561
Sample Date		Client Info		<b>24 Apr 2024</b>	28 Dec 2023	28 Sep 2023
Machine Age	hrs	Client Info		<b>7862</b>	7171	6486
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>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>1</b>	2	0
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>2</b>	<1	0
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
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**

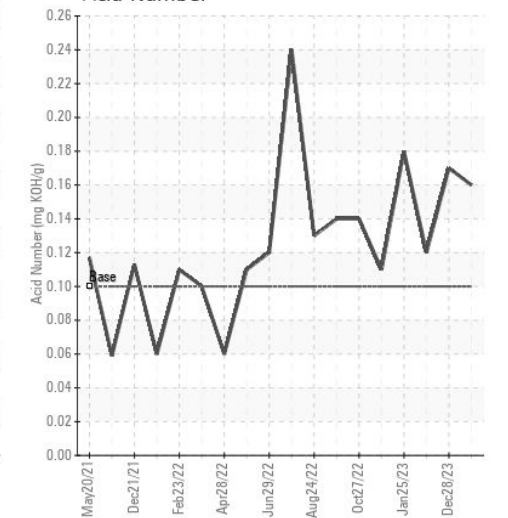
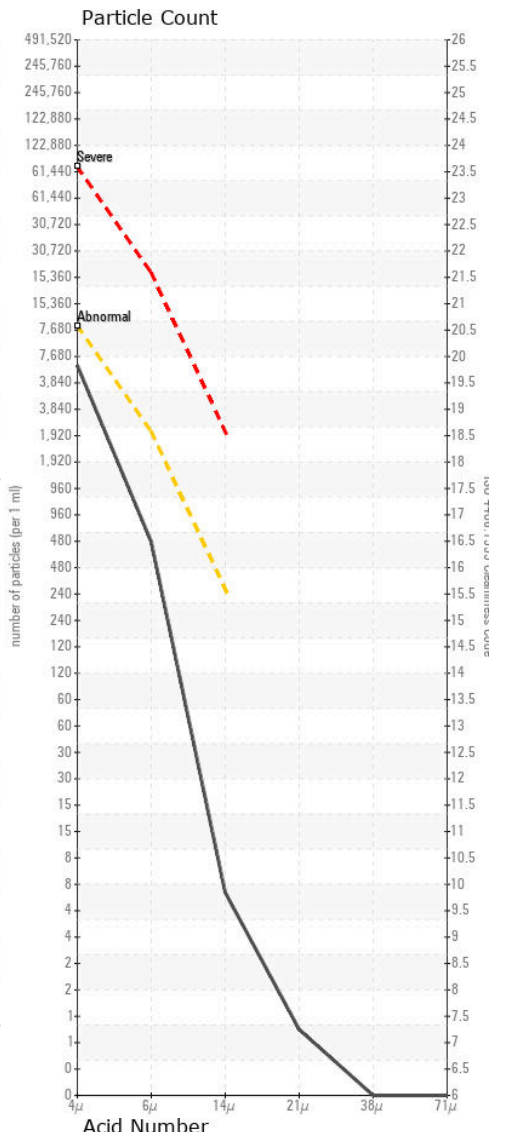
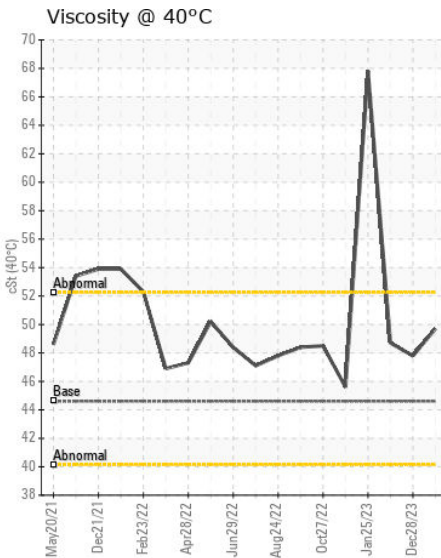
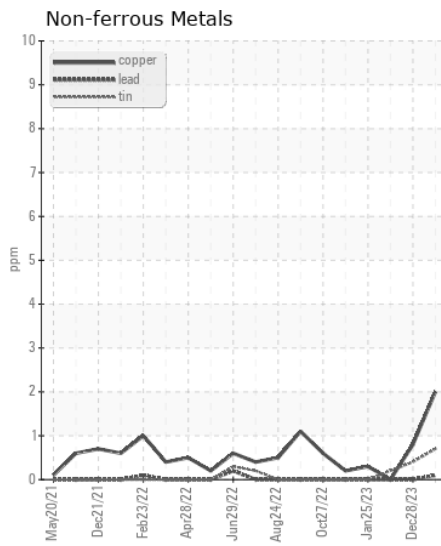
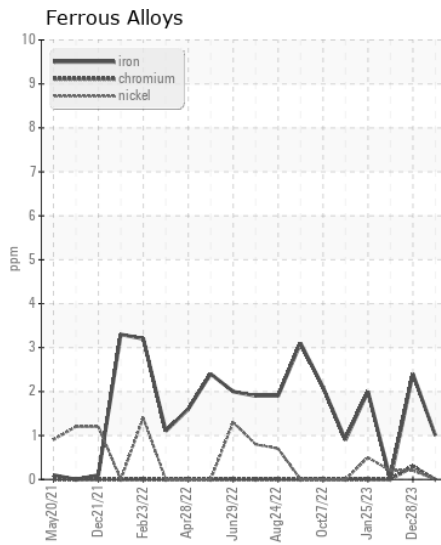
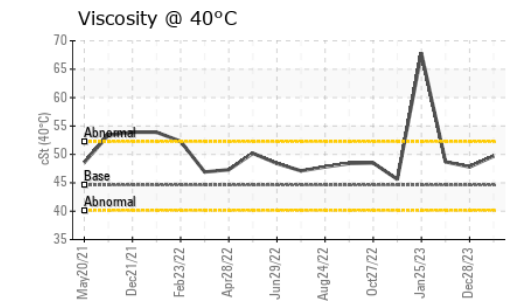
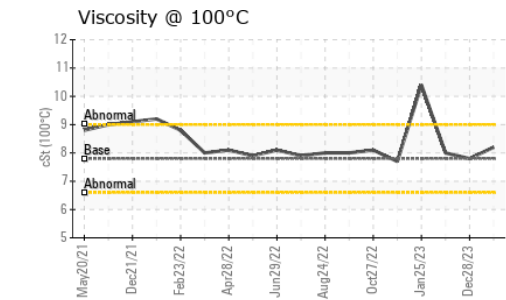
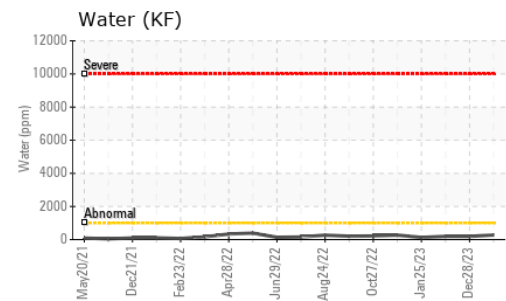
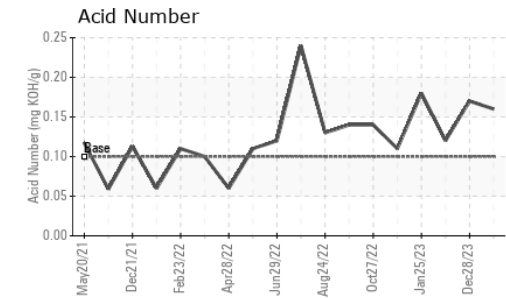
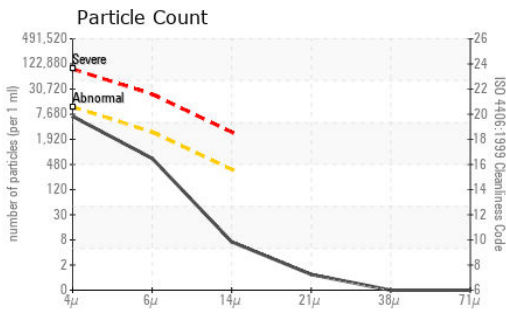
The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>25	<b>1</b>	3	1
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	4	<1
Water	%	ASTM D6304	>0.1	<b>0.027</b>	0.019	0.019
ppm Water	ppm	ASTM D6304	>1000	<b>280</b>	193	196.1
Particles >4µm		ASTM D7647	>10000	<b>5951</b>	4351	▲ 31043
Particles >6µm		ASTM D7647	>2500	<b>590</b>	1076	● 3543
Particles >14µm		ASTM D7647	>320	<b>6</b>	99	58
Particles >21µm		ASTM D7647	>80	<b>1</b>	21	10
Particles >38µm		ASTM D7647	>20	<b>0</b>	1	0
Particles >71µm		ASTM D7647	>4	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>20/16/10</b>	19/17/14	▲ 22/19/13
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</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>NEG</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>&lt;1</b>	5	0
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>0</b>	3	2
Calcium	ppm	ASTM D5185m		<b>0</b>	1	2
Phosphorus	ppm	ASTM D5185m		<b>209</b>	421	275
Zinc	ppm	ASTM D5185m		<b>71</b>	0	38
Sulfur	ppm	ASTM D5185m		<b>803</b>	1460	1057
Acid Number (AN)	mg KOH/g	ASTM D8045	.10	<b>0.16</b>	0.17	0.12
Visc @ 40°C	cSt	ASTM D445	44.6	<b>49.7</b>	47.8	48.7
Visc @ 100°C	cSt	ASTM D445	7.8	<b>8.2</b>	7.8	8
Viscosity Index (VI)	Scale	ASTM D2270	132	<b>137</b>	131	135



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : QUC0000642  
**Lab Number** : 06210137  
**Unique Number** : 11083001  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )

**QUALITY COMPRESSOR**  
 4428 CR 616  
 ALVARADO, TX  
 US 76009  
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 F:

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)