



WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
SULLAIR 40081 - VULCAN

Component
Compressor

Fluid
QUINCY QUINSYN (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

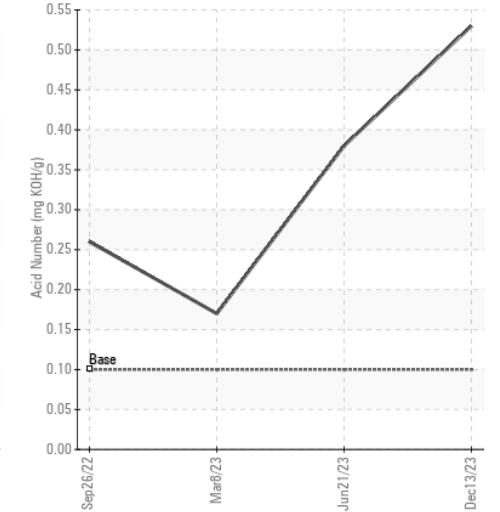
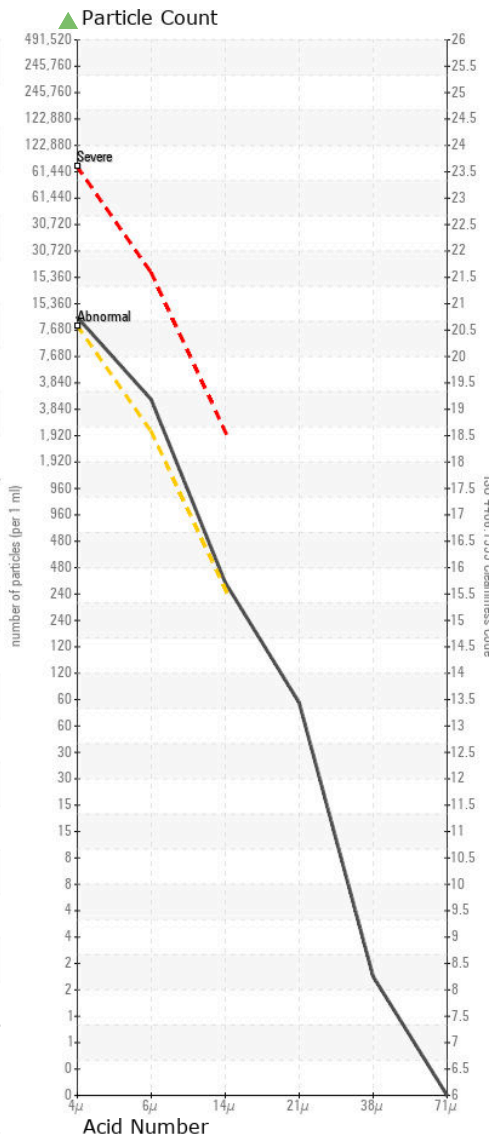
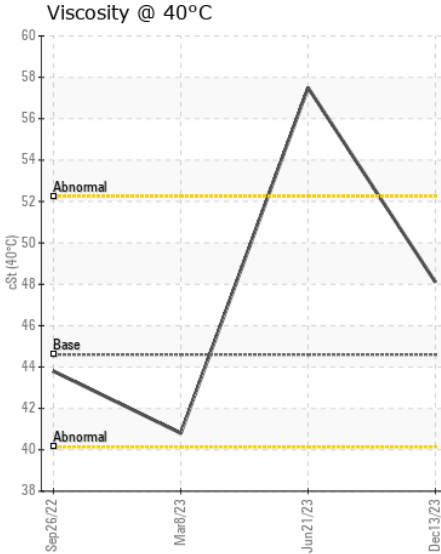
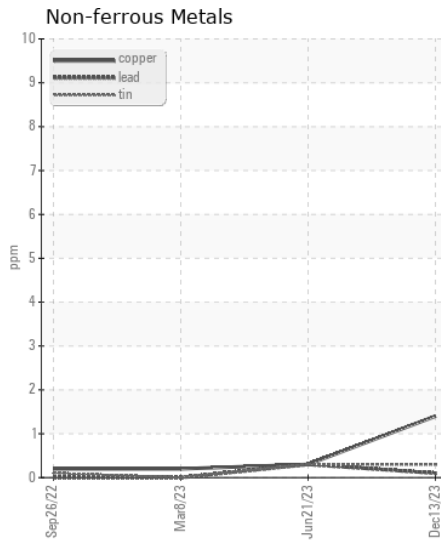
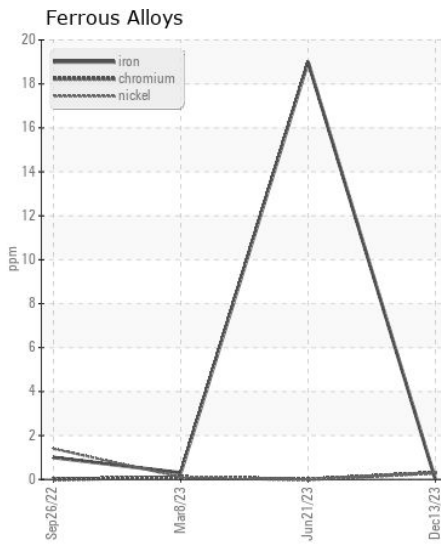
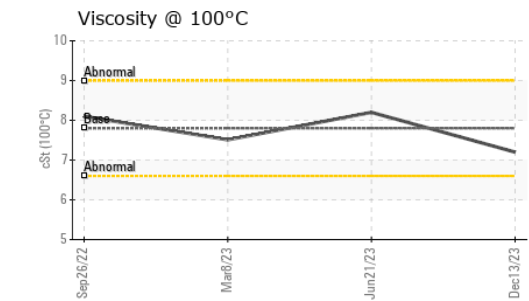
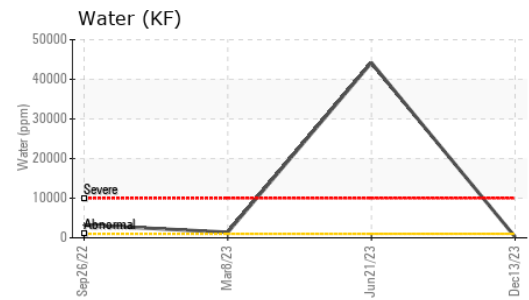
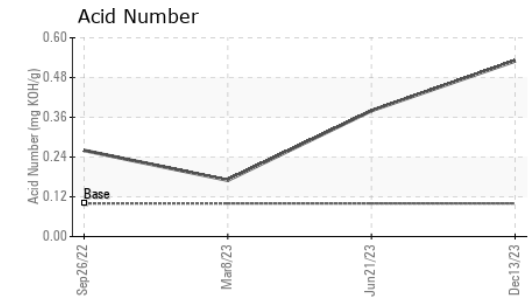
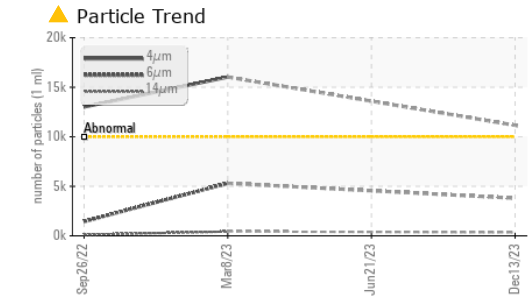
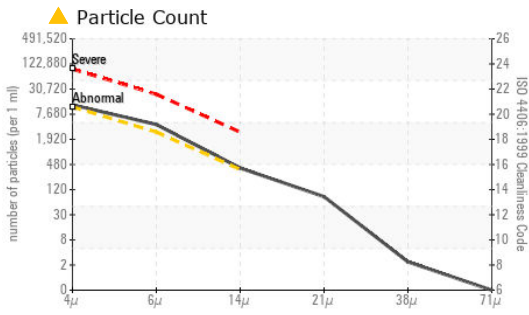
CONTAMINATION

There is a moderate amount of particulates present in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		QUC000007	QUC0000434	QUC0000380
Sample Date		Client Info		13 Dec 2023	21 Jun 2023	08 Mar 2023
Machine Age	hrs	Client Info		0	24594	24586
Oil Age	hrs	Client Info		2000	0	0
Filter Age	hrs	Client Info		2000	0	0
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	SEVERE	ABNORMAL
Iron	ppm	ASTM D5185m	>50	0	19	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	<1
Lead	ppm	ASTM D5185m	>25	<1	<1	0
Copper	ppm	ASTM D5185m	>50	1	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	1	5	3
Potassium	ppm	ASTM D5185m	>20	4	2	2
Water	%	ASTM D6304	>0.1	0.021	4.42	0.139
ppm Water	ppm	ASTM D6304	>1000	214	44200	1399.6
Particles >4µm		ASTM D7647	>10000	▲ 11158	---	▲ 16033
Particles >6µm		ASTM D7647	>2500	▲ 3800	---	▲ 5302
Particles >14µm		ASTM D7647	>320	▲ 347	---	▲ 430
Particles >21µm		ASTM D7647	>80	72	---	89
Particles >38µm		ASTM D7647	>20	2	---	1
Particles >71µm		ASTM D7647	>4	0	---	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 21/19/16	---	▲ 21/20/16
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	▲ LAYRD	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	0.2%	NEG
Sodium	ppm	ASTM D5185m		10	4	40
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	229	669
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		0	6	4
Calcium	ppm	ASTM D5185m		1	<1	8
Phosphorus	ppm	ASTM D5185m		232	36	47
Zinc	ppm	ASTM D5185m		36	4	15
Sulfur	ppm	ASTM D5185m		31	257	461
Acid Number (AN)	mg KOH/g	ASTM D8045	.10	0.53	0.38	0.17
Visc @ 40°C	cSt	ASTM D445	44.6	48.1	▲ 57.5	40.8
Visc @ 100°C	cSt	ASTM D445	7.8	7.2	8.2	7.51
Viscosity Index (VI)	Scale	ASTM D2270	132	108	111	153



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : QUC0000007 **Received** : 30 Jan 2024
Lab Number : 06074692 **Diagnosed** : 01 Feb 2024
Unique Number : 10856783 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

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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)