



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
CAS 010917 - MID STATES MFG
 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.

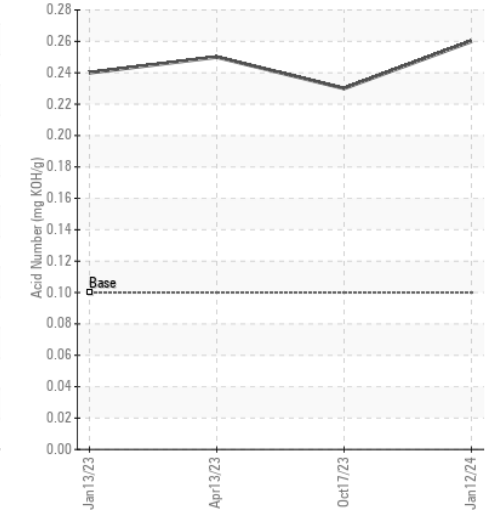
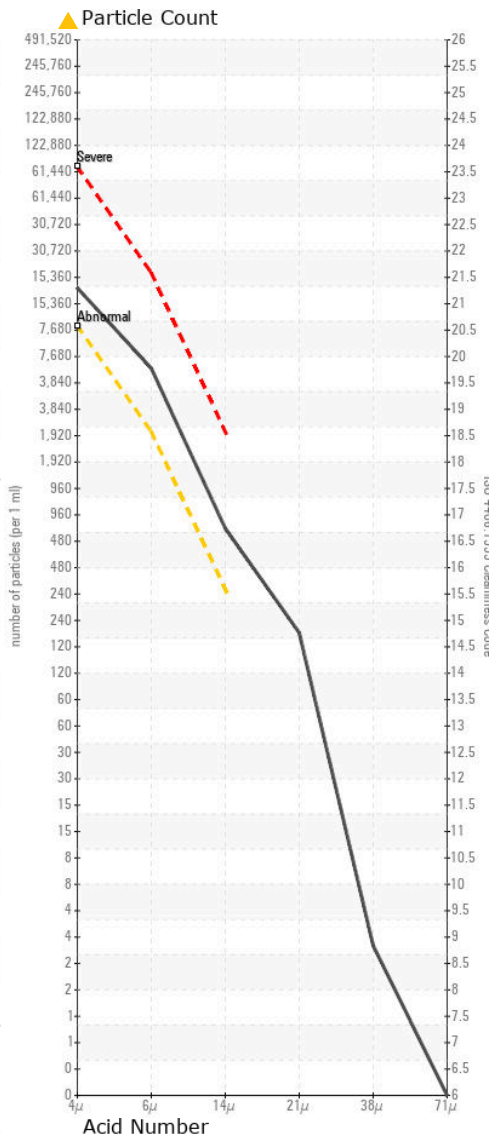
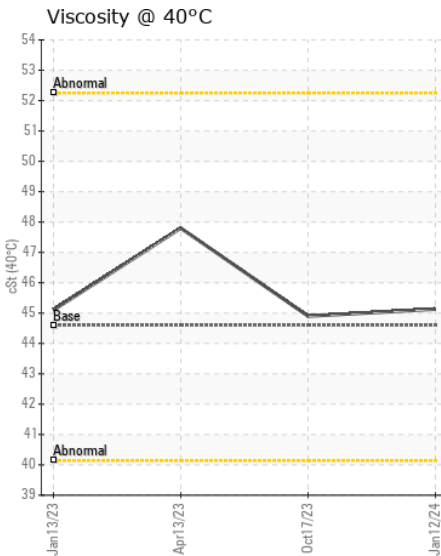
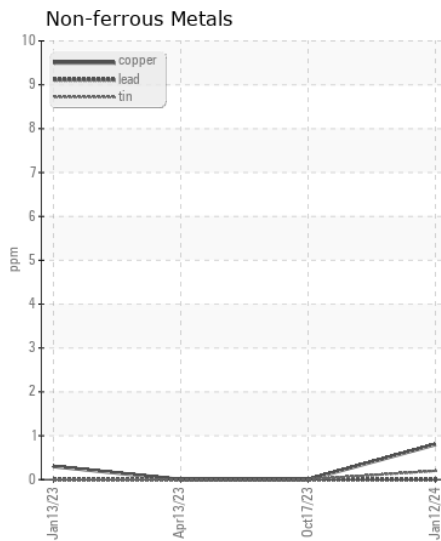
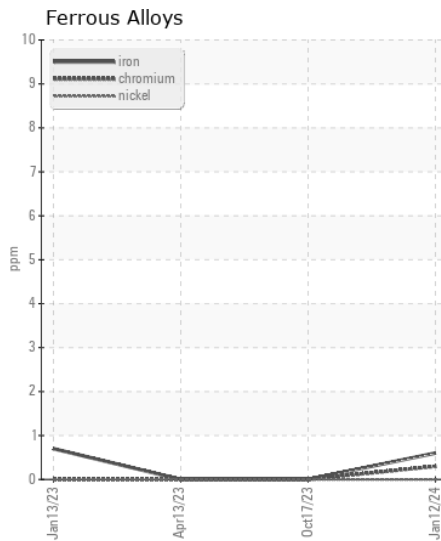
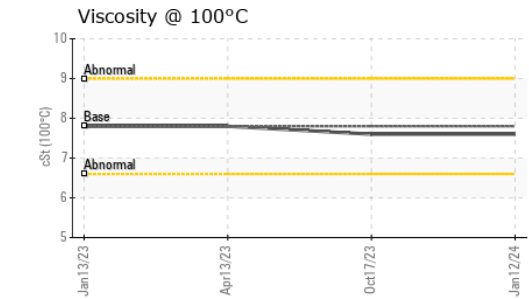
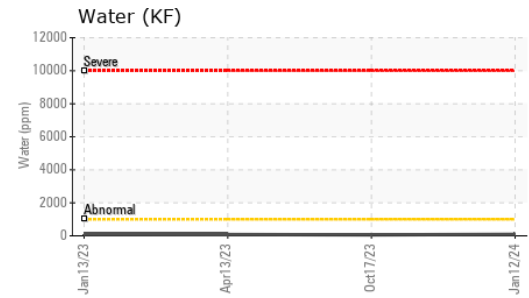
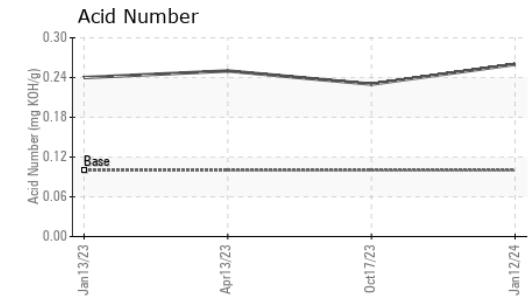
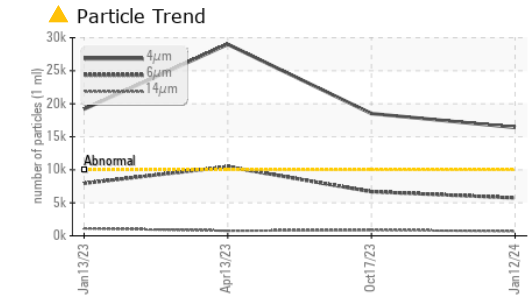
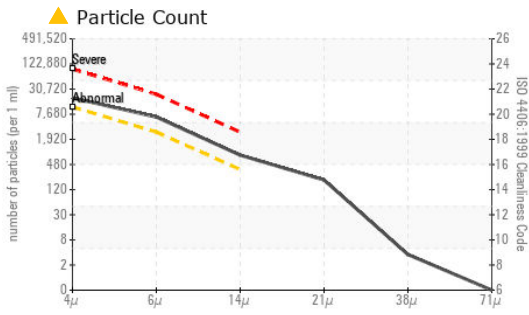
CONTAMINATION

There is a high 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		TO50001867	QUC0000507	QUC0000499
Sample Date		Client Info		12 Jan 2024	17 Oct 2023	13 Apr 2023
Machine Age	hrs	Client Info		16432	0	14591
Oil Age	hrs	Client Info		0	6	0
Filter Age	hrs	Client Info		0	3	0
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>50	<1	0	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	6
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	0	0
Tin	ppm	ASTM D5185m	>15	<1	0	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	1	<1
Potassium	ppm	ASTM D5185m	>20	2	<1	0
Water	%	ASTM D6304	>0.1	0.008	0.005	0.007
ppm Water	ppm	ASTM D6304	>1000	89	59.4	78.9
Particles >4µm		ASTM D7647	>10000	▲ 16413	▲ 18512	▲ 29000
Particles >6µm		ASTM D7647	>2500	▲ 5730	▲ 6681	▲ 10470
Particles >14µm		ASTM D7647	>320	▲ 706	▲ 860	▲ 765
Particles >21µm		ASTM D7647	>80	▲ 180	▲ 241	▲ 165
Particles >38µm		ASTM D7647	>20	3	6	8
Particles >71µm		ASTM D7647	>4	0	0	1
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 21/20/17	▲ 21/20/17	▲ 22/21/17
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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
Sodium	ppm	ASTM D5185m		<1	4	2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		2	2	6
Calcium	ppm	ASTM D5185m		<1	1	0
Phosphorus	ppm	ASTM D5185m		113	128	94
Zinc	ppm	ASTM D5185m		314	328	353
Sulfur	ppm	ASTM D5185m		1071	1067	986
Acid Number (AN)	mg KOH/g	ASTM D8045	.10	0.26	0.23	0.25
Visc @ 40°C	cSt	ASTM D445	44.6	45.13	44.9	47.8
Visc @ 100°C	cSt	ASTM D445	7.8	7.6	7.6	7.8
Viscosity Index (VI)	Scale	ASTM D2270	132	135	136	131



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO50001867 **Received** : 30 Jan 2024
Lab Number : 06074704 **Diagnosed** : 05 Feb 2024
Unique Number : 10856795 **Diagnostician** : Jonathan Hester
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)

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