



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

Contracting

Machine Id

4406 4406

Component

Transmission (Auto)

Fluid

MOBIL DELVAC SYNTHETIC ATF (--- 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0919117	WC0867118	WC0784638
Sample Date		Client Info		11 Apr 2024	14 Nov 2023	18 Aug 2023
Machine Age	hrs	Client Info		5731	4974	4397
Oil Age	hrs	Client Info		894	1495	918
Filter Age	hrs	Client Info		894	1495	918
Oil Changed		Client Info		Not Changd	Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	22	23	10
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	4	2	2
Lead	ppm	ASTM D5185m	>50	0	<1	0
Copper	ppm	ASTM D5185m	>225	0	2	1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

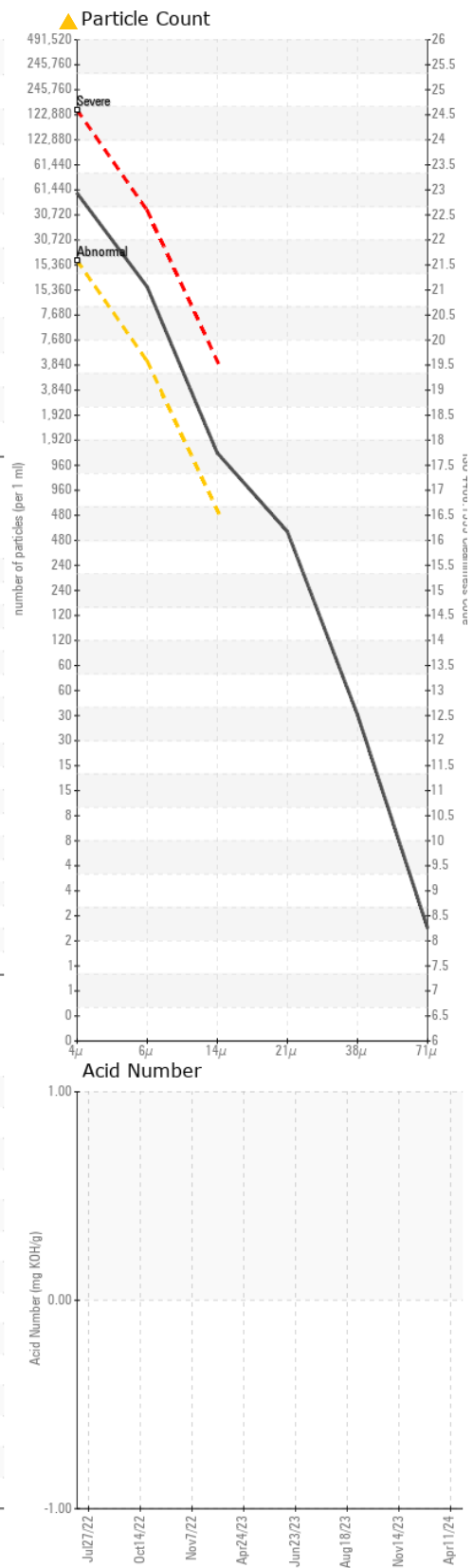
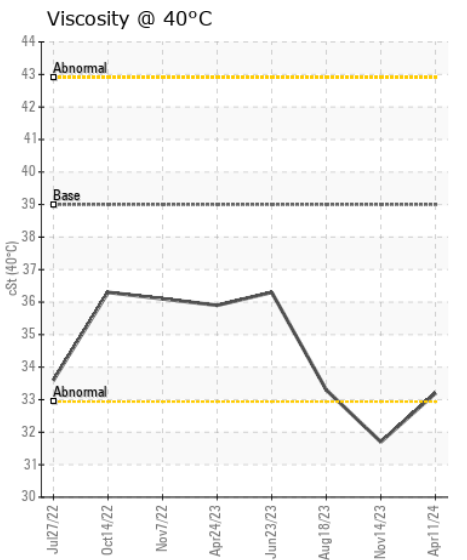
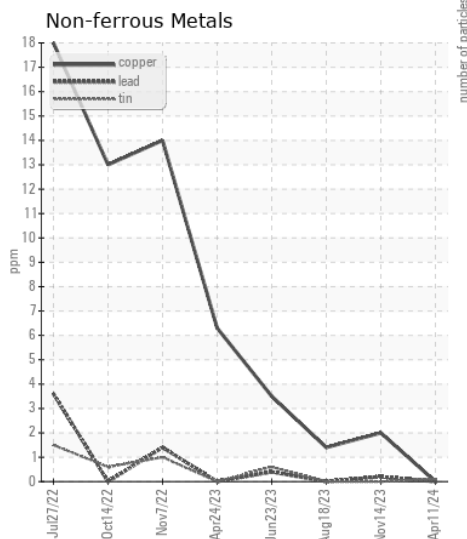
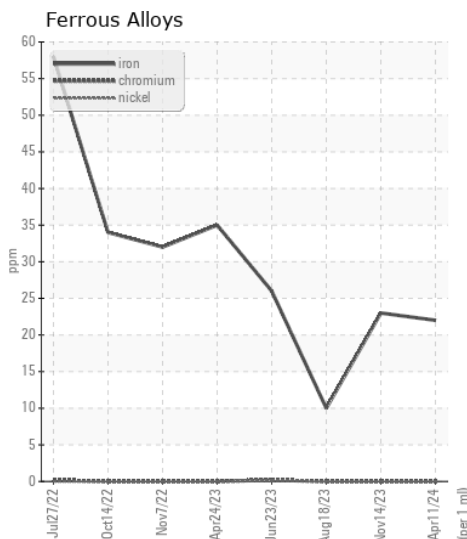
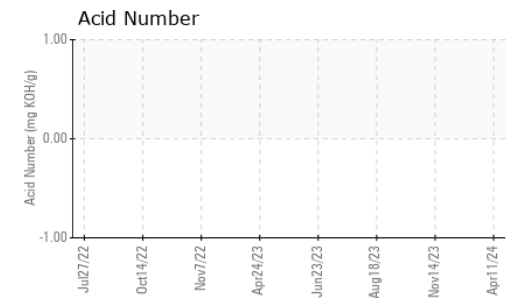
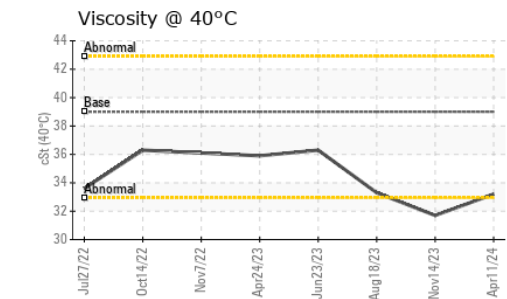
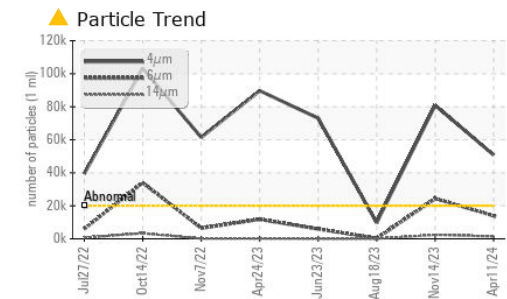
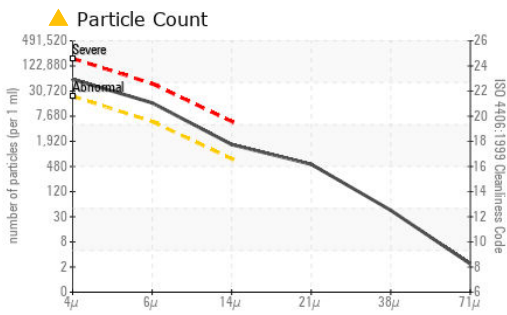
There is a high amount of particulates present in the fluid.

Silicon	ppm	ASTM D5185m	>20	1	2	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	▲ 50773	▲ 80894	9752
Particles >6µm		ASTM D7647	>5000	▲ 13917	▲ 24423	220
Particles >14µm		ASTM D7647	>640	▲ 1409	▲ 2418	11
Particles >21µm		ASTM D7647	>160	▲ 476	▲ 760	5
Particles >38µm		ASTM D7647	>40	38	▲ 68	0
Particles >71µm		ASTM D7647	>10	2	3	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ 23/21/18	▲ 24/22/18	20/15/11
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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 condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		2	<1	3
Boron	ppm	ASTM D5185m		129	110	123
Barium	ppm	ASTM D5185m		0	7	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		2	1	2
Calcium	ppm	ASTM D5185m		52	17	18
Phosphorus	ppm	ASTM D5185m		310	262	273
Zinc	ppm	ASTM D5185m		<1	0	<1
Sulfur	ppm	ASTM D5185m		2111	2212	1639
Visc @ 40°C	cSt	ASTM D445	39	33.2	31.7	33.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0919117 **Received** : 15 Apr 2024
Lab Number : 06148541 **Tested** : 17 Apr 2024
Unique Number : 10978619 **Diagnosed** : 17 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PrtCount)

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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