



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

Contracting

Machine Id

5109 5109

Component

Transmission (Auto)

Fluid

MOBIL DELVAC SYNTHETIC ATF (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0939291	WC0808888	WC0688152
Sample Date		Client Info		22 May 2024	13 Apr 2023	07 Apr 2022
Machine Age	hrs	Client Info		3278	2760	2256
Oil Age	hrs	Client Info		1022	504	1256
Filter Age	hrs	Client Info		1022	504	1256
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changed	Changed
Sample Status				NORMAL	ATTENTION	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	15	17	17
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	<1	0	<1
Aluminum	ppm	ASTM D5185m	>50	5	2	5
Lead	ppm	ASTM D5185m	>50	<1	0	0
Copper	ppm	ASTM D5185m	>225	2	1	2
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

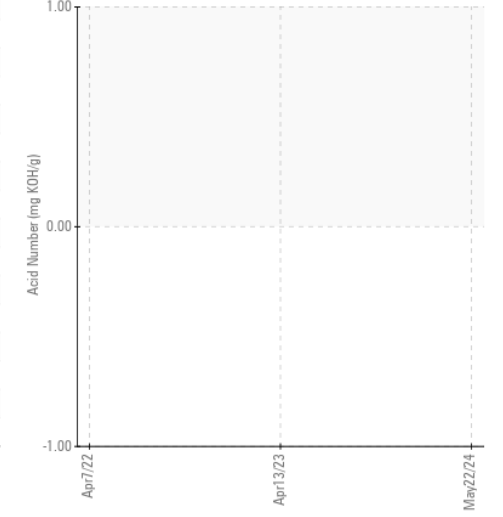
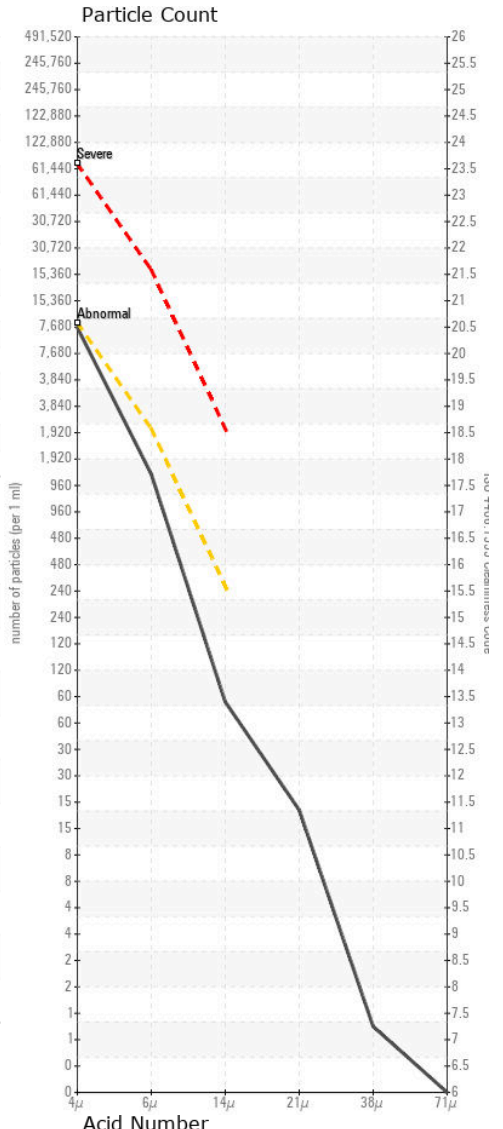
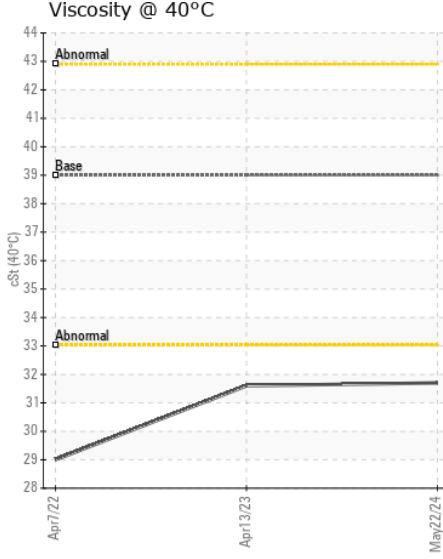
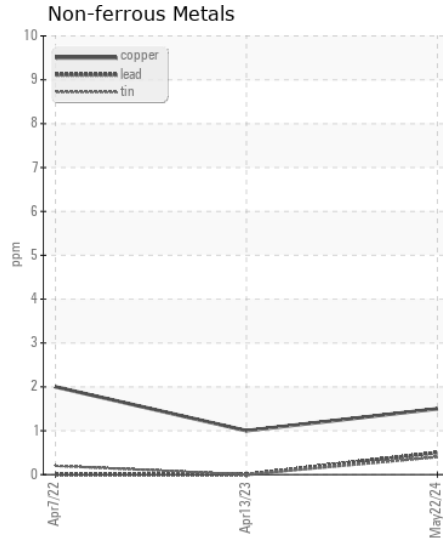
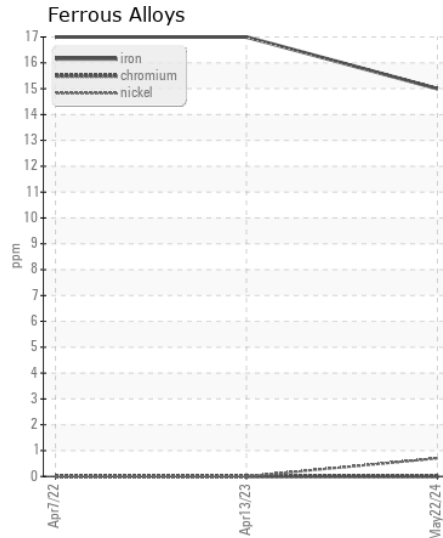
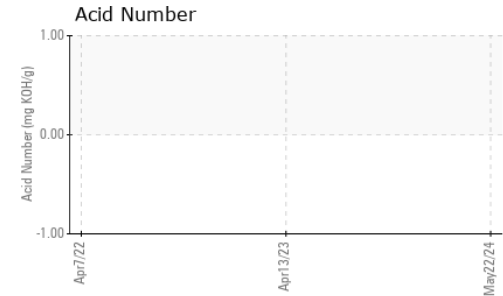
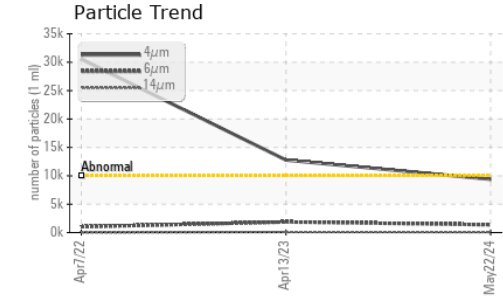
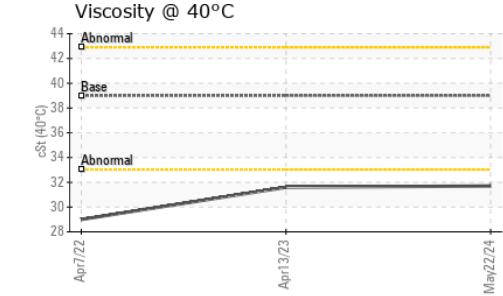
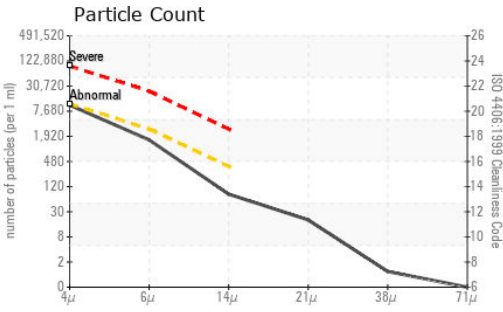
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	8	2	2
Potassium	ppm	ASTM D5185m	>20	3	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	9380	● 12770	▲ 30530
Particles >6µm		ASTM D7647	>2500	1379	1871	1022
Particles >14µm		ASTM D7647	>320	70	94	12
Particles >21µm		ASTM D7647	>80	17	17	3
Particles >38µm		ASTM D7647	>20	1	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/18/13	● 21/18/14	▲ 22/17/11
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

FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		5	4	6
Boron	ppm	ASTM D5185m		113	109	65
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		7	7	9
Calcium	ppm	ASTM D5185m		61	61	78
Phosphorus	ppm	ASTM D5185m		267	263	203
Zinc	ppm	ASTM D5185m		24	10	36
Sulfur	ppm	ASTM D5185m		1496	1470	1166
Visc @ 40°C	cSt	ASTM D445	39	31.7	31.6	29.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0939291 **Received** : 28 May 2024
Lab Number : 06192741 **Tested** : 30 May 2024
Unique Number : 11049493 **Diagnosed** : 30 May 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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