



# OIL ANALYSIS REPORT

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

Area  
**Mobile Fleet**

Machine Id  
**6418 6418**

Component  
**Transmission (Auto)**

Fluid  
**MOBIL DELVAC SYNTHETIC ATF (8 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>WC0955996</b>	WC0885953	WC0808831
Sample Date		Client Info		<b>25 Jun 2024</b>	12 Jan 2024	10 Jul 2023
Machine Age	hrs	Client Info		<b>14709</b>	13688	12743
Oil Age	hrs	Client Info		<b>1994</b>	973	4266
Filter Age	hrs	Client Info		<b>1994</b>	973	1882
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	<b>32</b>	25	99
Chromium	ppm	ASTM D5185m	>2	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>70	<b>8</b>	6	23
Lead	ppm	ASTM D5185m	>85	<b>&lt;1</b>	1	7
Copper	ppm	ASTM D5185m	>90	<b>11</b>	8	19
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	3
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

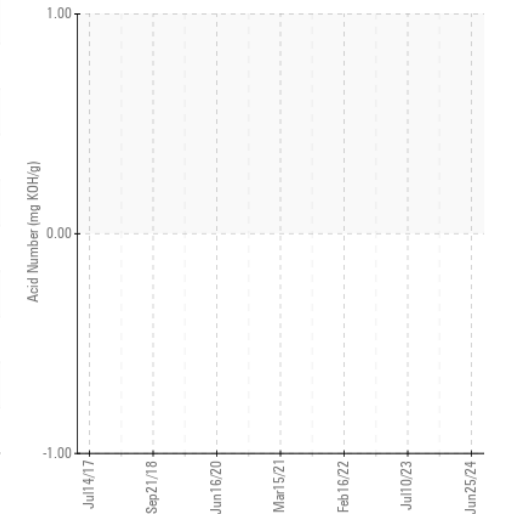
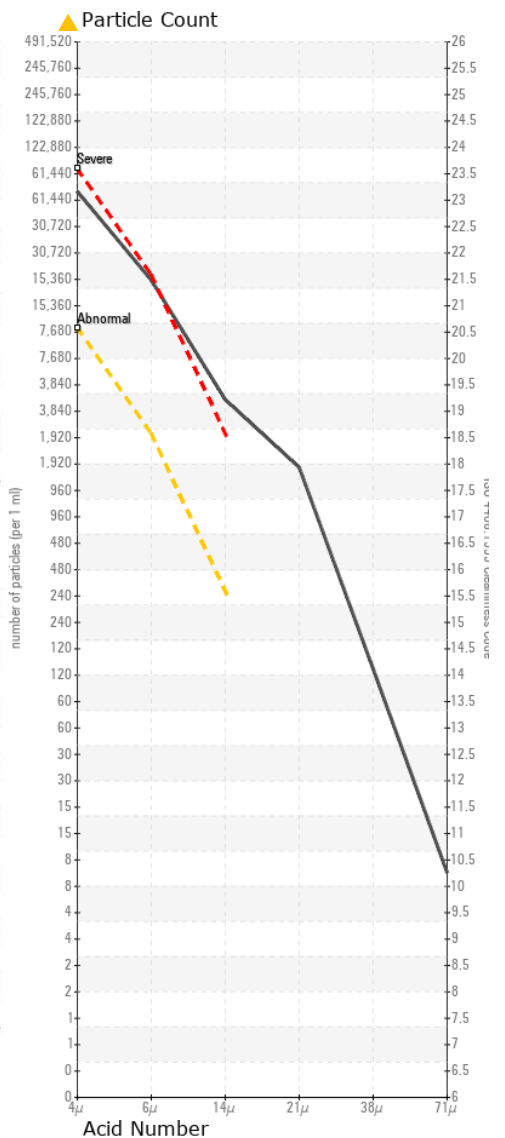
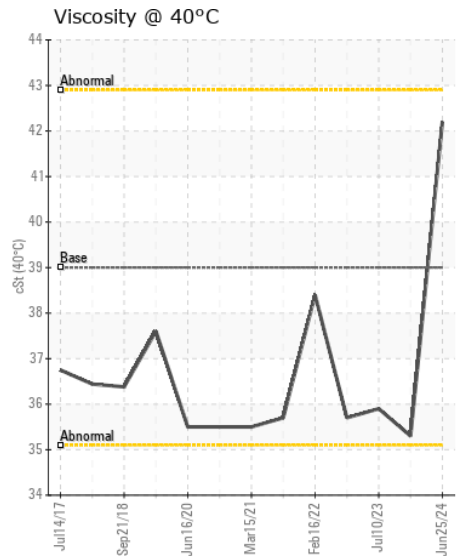
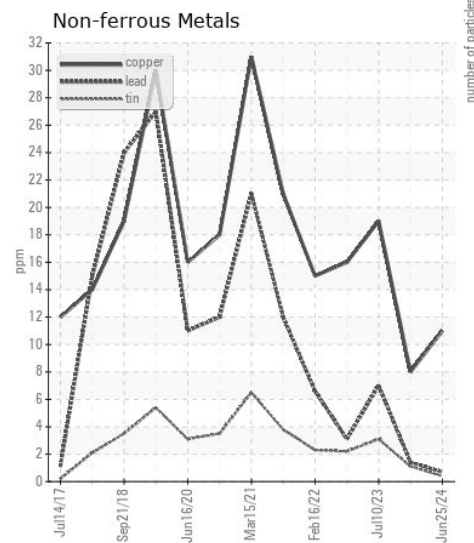
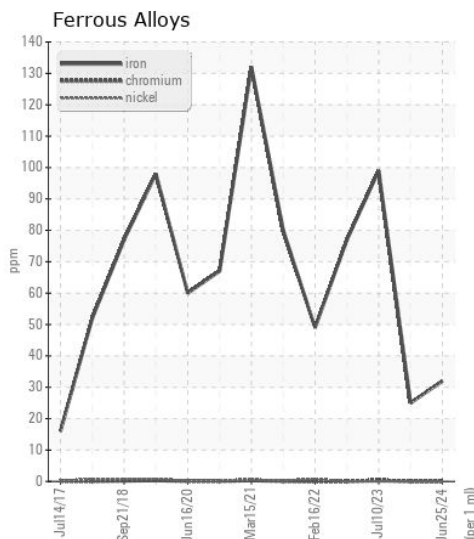
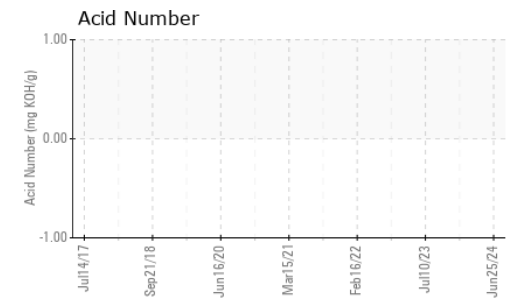
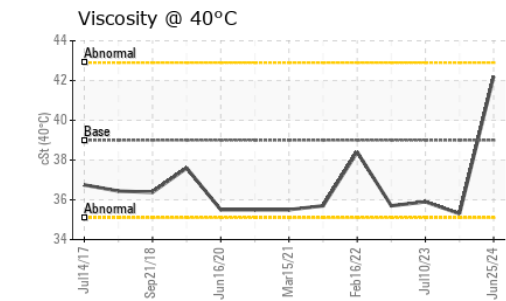
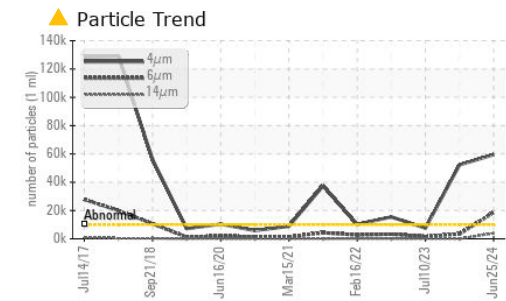
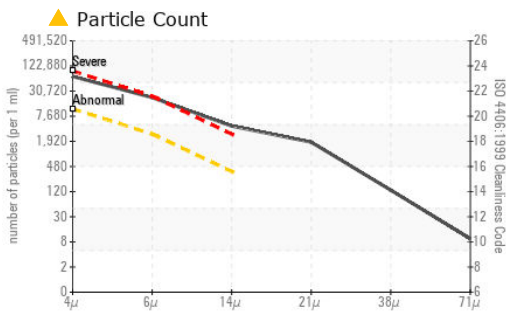
There is a high amount of particulates present in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>3</b>	2	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	3
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>10000	<b>▲ 59481</b>	▲ 52286	7546
Particles >6µm		ASTM D7647	>2500	<b>▲ 18670</b>	● 3384	1631
Particles >14µm		ASTM D7647	>320	<b>▲ 3906</b>	50	73
Particles >21µm		ASTM D7647	>80	<b>▲ 1608</b>	8	24
Particles >38µm		ASTM D7647	>20	<b>▲ 115</b>	0	1
Particles >71µm		ASTM D7647	>4	<b>▲ 8</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>▲ 23/21/19</b>	▲ 23/19/13	20/18/13
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	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 condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>2</b>	2	4
Boron	ppm	ASTM D5185m		<b>107</b>	113	129
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Magnesium	ppm	ASTM D5185m		<b>2</b>	13	2
Calcium	ppm	ASTM D5185m		<b>68</b>	88	38
Phosphorus	ppm	ASTM D5185m		<b>277</b>	295	320
Zinc	ppm	ASTM D5185m		<b>29</b>	27	0
Sulfur	ppm	ASTM D5185m		<b>1715</b>	1246	1753
Visc @ 40°C	cSt	ASTM D445	39	<b>42.2</b>	35.3	35.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0955996 **Received** : 27 Jun 2024  
**Lab Number** : 06222247 **Tested** : 02 Jul 2024  
**Unique Number** : 11100444 **Diagnosed** : 02 Jul 2024 - Jonathan Hester  
**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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