



# OIL ANALYSIS REPORT

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

Area  
**Mobile Fleet**  
 Machine Id  
**6407 6407**  
 Component  
**Transmission (Auto)**  
 Fluid  
**MOBIL DELVAC SYNTHETIC ATF (8 GAL)**

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0918958</b>	WC0771072	WC0757049
Sample Date		Client Info		<b>16 Apr 2024</b>	06 Jul 2023	08 Nov 2022
Machine Age	hrs	Client Info		<b>17997</b>	16926	15880
Oil Age	hrs	Client Info		<b>1071</b>	2011	965
Filter Age	hrs	Client Info		<b>1071</b>	2011	965
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Sample Status				<b>ABNORMAL</b>	NORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	<b>24</b>	50	31
Chromium	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
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>	17	10
Lead	ppm	ASTM D5185m	>85	<b>2</b>	5	4
Copper	ppm	ASTM D5185m	>90	<b>12</b>	17	25
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

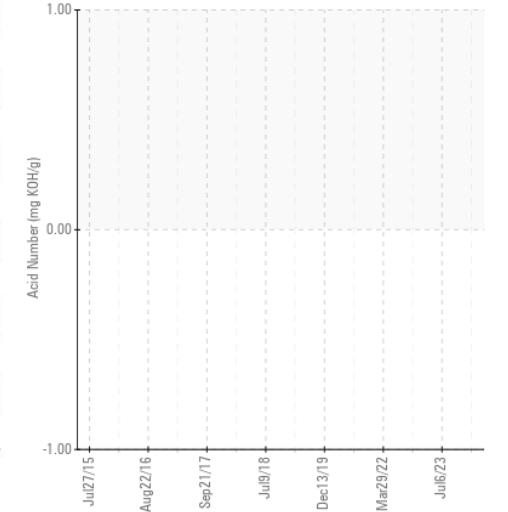
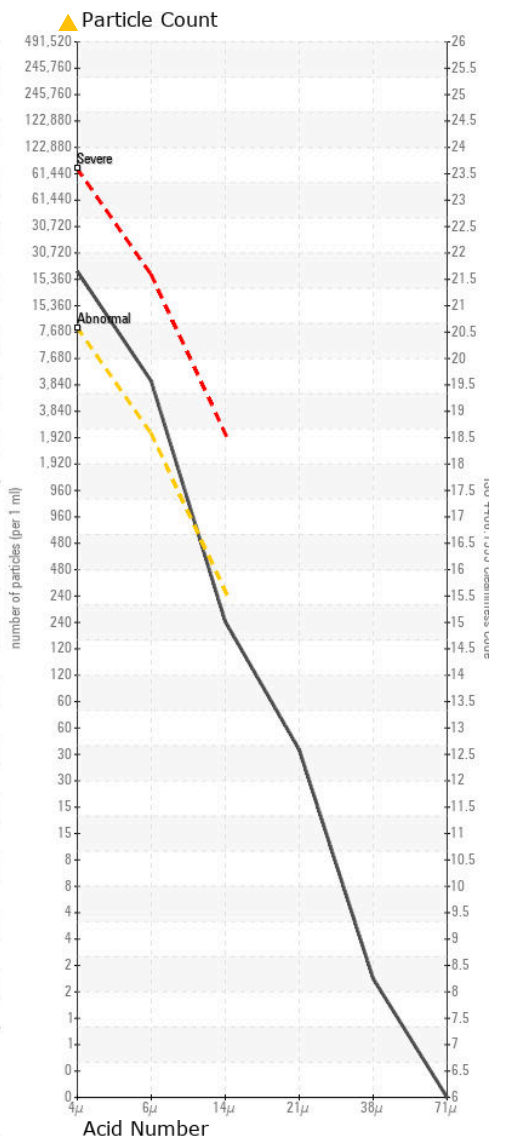
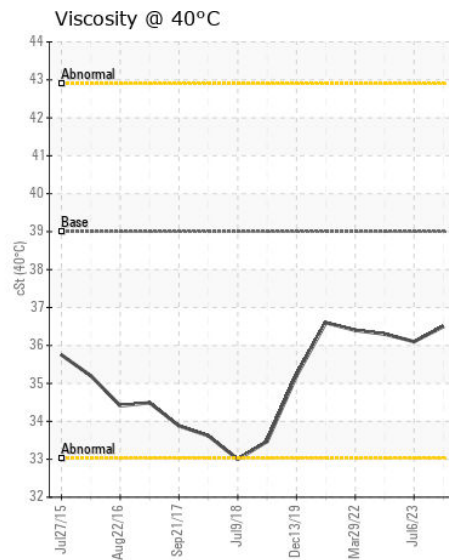
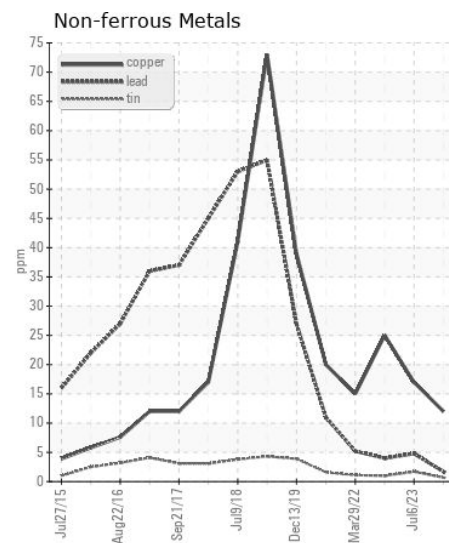
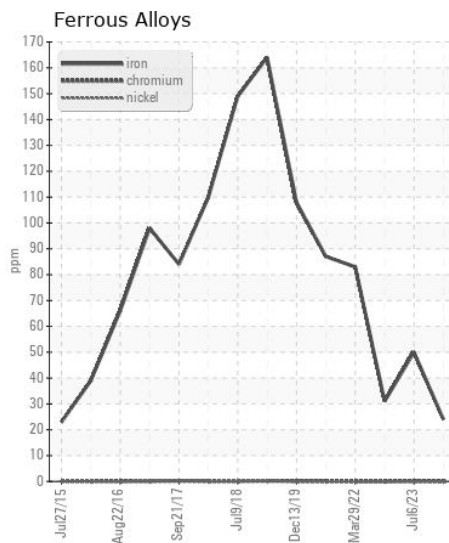
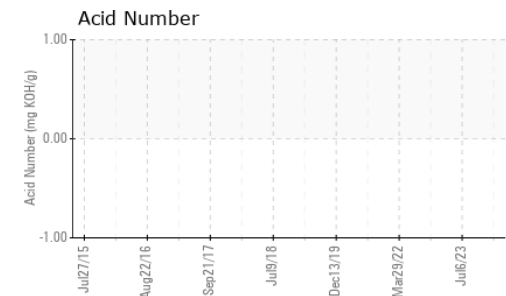
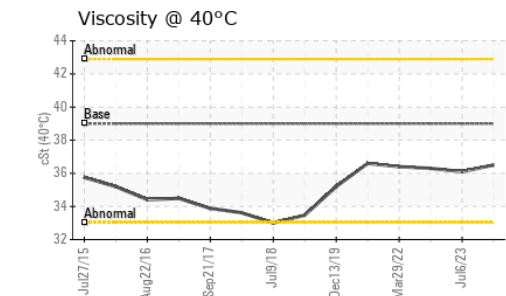
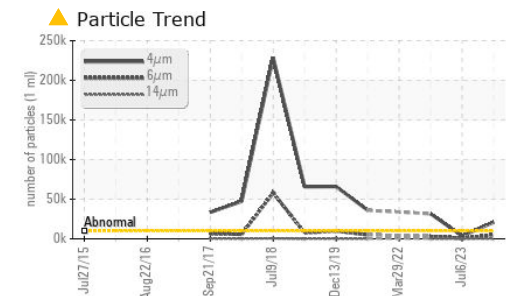
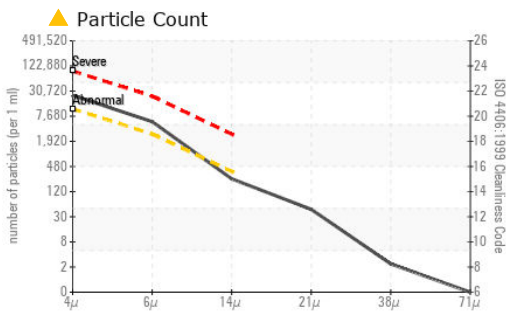
There is a high amount of silt (particulates < 14 microns in size) present in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>2</b>	2	2
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>10000	<b>▲ 20938</b>	3554	▲ 31541
Particles >6µm		ASTM D7647	>2500	<b>● 4962</b>	738	● 3048
Particles >14µm		ASTM D7647	>320	<b>214</b>	41	56
Particles >21µm		ASTM D7647	>80	<b>40</b>	12	6
Particles >38µm		ASTM D7647	>20	<b>2</b>	0	0
Particles >71µm		ASTM D7647	>4	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>▲ 22/19/15</b>	19/17/13	▲ 22/19/13
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	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>4</b>	2	<1
Boron	ppm	ASTM D5185m		<b>166</b>	148	135
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>9</b>	16	14
Calcium	ppm	ASTM D5185m		<b>86</b>	68	64
Phosphorus	ppm	ASTM D5185m		<b>338</b>	358	308
Zinc	ppm	ASTM D5185m		<b>18</b>	28	26
Sulfur	ppm	ASTM D5185m		<b>1521</b>	2276	2307
Visc @ 40°C	cSt	ASTM D445	39	<b>36.5</b>	36.1	36.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0918958 **Received** : 19 Apr 2024  
**Lab Number** : 06154189 **Tested** : 23 Apr 2024  
**Unique Number** : 10989612 **Diagnosed** : 23 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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