



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area  
**Mobile Fleet**  
 Machine Id  
**6423 6423**  
 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>WC0937924</b>	WC0861999	WC0808407
Sample Date		Client Info		<b>12 Jun 2024</b>	09 Oct 2023	23 May 2023
Machine Age	hrs	Client Info		<b>11900</b>	10720	9817
Oil Age	hrs	Client Info		<b>1180</b>	2285	1382
Filter Age	hrs	Client Info		<b>1180</b>	2285	1382
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Sample Status				<b>ATTENTION</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	<b>47</b>	59	50
Chromium	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
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>20</b>	24	25
Lead	ppm	ASTM D5185m	>85	<b>4</b>	8	6
Copper	ppm	ASTM D5185m	>90	<b>27</b>	32	20
Tin	ppm	ASTM D5185m	>10	<b>0</b>	2	2
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

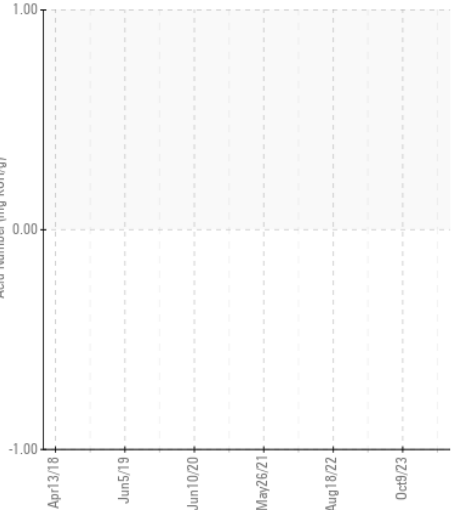
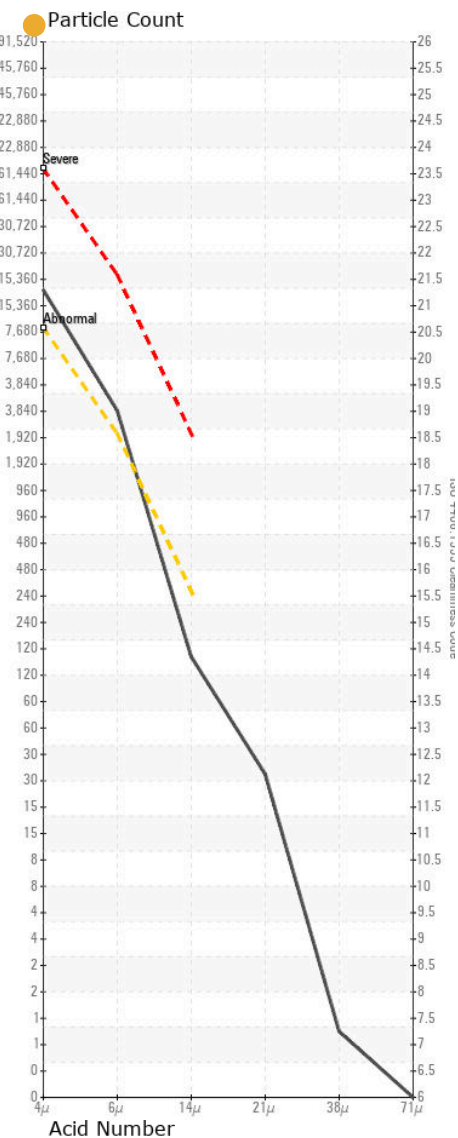
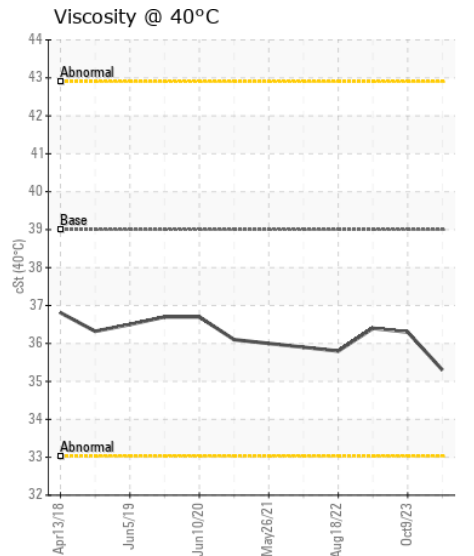
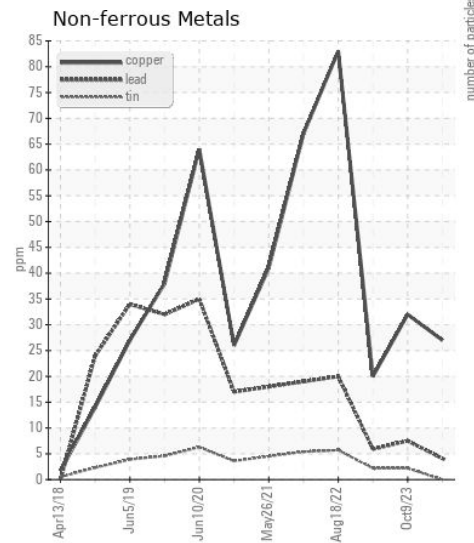
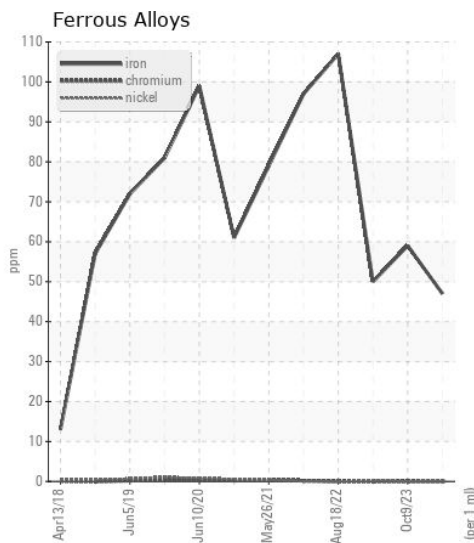
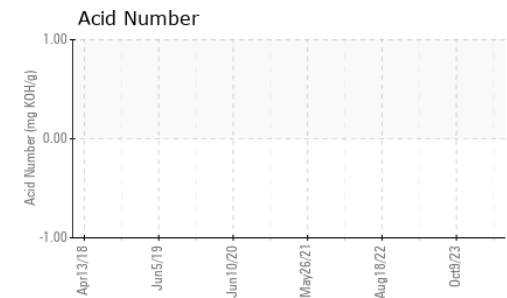
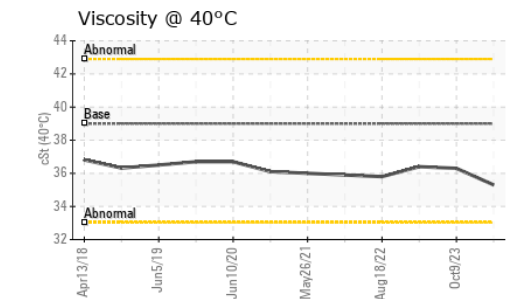
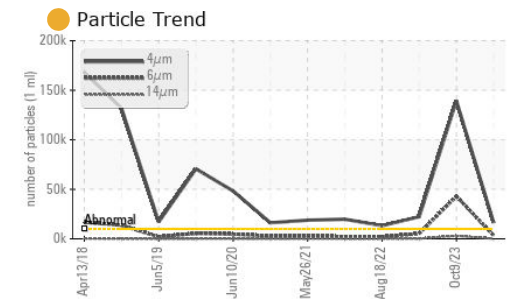
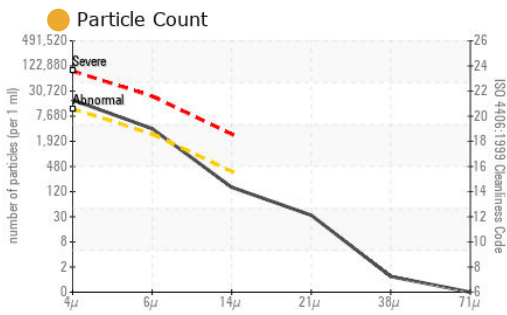
There is a moderate amount of silt (particulates < 6 microns in size) present in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>3</b>	2	2
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	<1	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>10000	<b>16386</b>	▲ 139246	▲ 22264
Particles >6µm		ASTM D7647	>2500	<b>3379</b>	▲ 42944	▲ 5227
Particles >14µm		ASTM D7647	>320	<b>135</b>	▲ 3020	175
Particles >21µm		ASTM D7647	>80	<b>29</b>	▲ 843	28
Particles >38µm		ASTM D7647	>20	<b>1</b>	▲ 20	0
Particles >71µm		ASTM D7647	>4	<b>0</b>	1	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>21/19/14</b>	▲ 24/23/19	▲ 22/20/15
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	LIGHT
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>5</b>	4	3
Boron	ppm	ASTM D5185m		<b>135</b>	113	120
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>6</b>	16	15
Calcium	ppm	ASTM D5185m		<b>84</b>	60	60
Phosphorus	ppm	ASTM D5185m		<b>255</b>	301	322
Zinc	ppm	ASTM D5185m		<b>24</b>	29	25
Sulfur	ppm	ASTM D5185m		<b>1574</b>	1206	1428
Visc @ 40°C	cSt	ASTM D445	39	<b>35.3</b>	36.3	36.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0937924 **Received** : 14 Jun 2024  
**Lab Number** : 06209946 **Tested** : 17 Jun 2024  
**Unique Number** : 11082810 **Diagnosed** : 17 Jun 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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