



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area  
**Mobile Fleet**  
 Machine Id  
**5227 5227**  
 Component  
**Transmission (Auto)**  
 Fluid  
**MOBIL MOBILFLUID 424 (8 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0918954</b>	WC0885932	WC0867134
Sample Date		Client Info		<b>15 Apr 2024</b>	25 Jan 2024	09 Nov 2023
Machine Age	hrs	Client Info		<b>4815</b>	4264	3716
Oil Age	hrs	Client Info		<b>551</b>	2064	1516
Filter Age	hrs	Client Info		<b>551</b>	2064	1516
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>ATTENTION</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>49</b>	103	90
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>&lt;1</b>	2	1
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>225	<b>7</b>	13	13
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

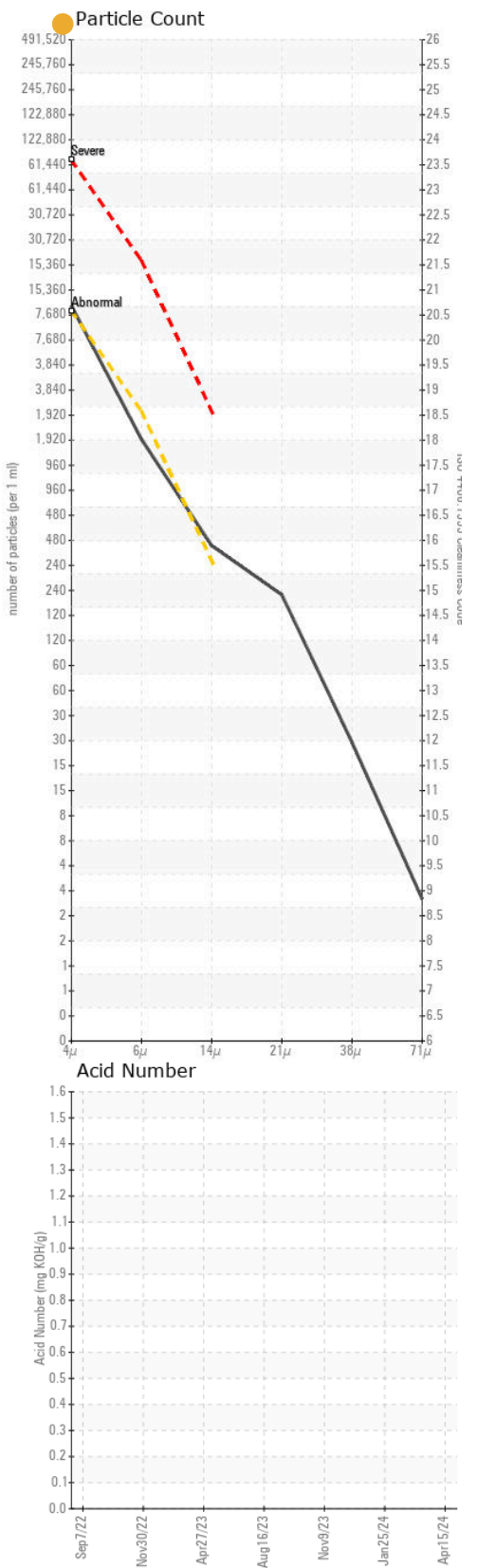
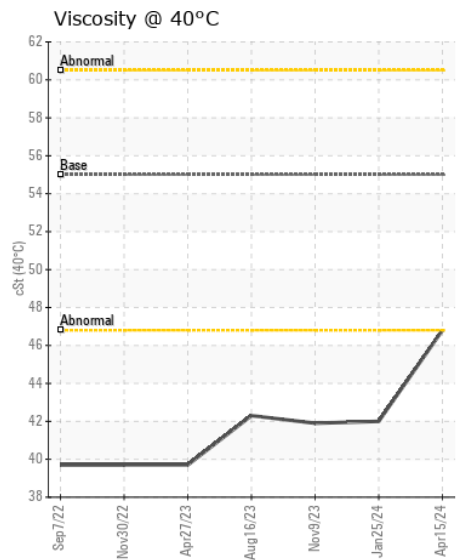
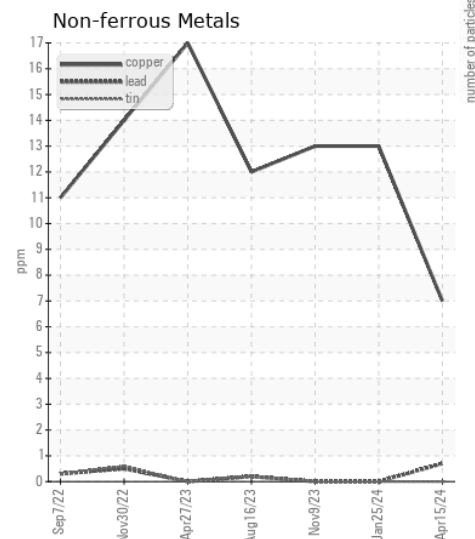
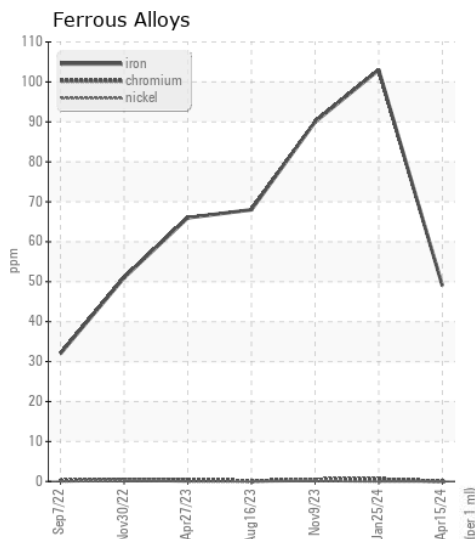
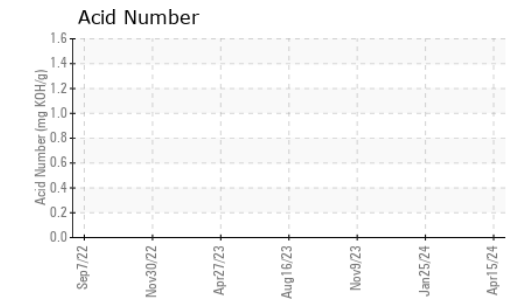
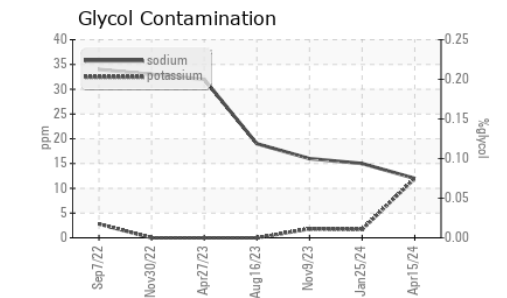
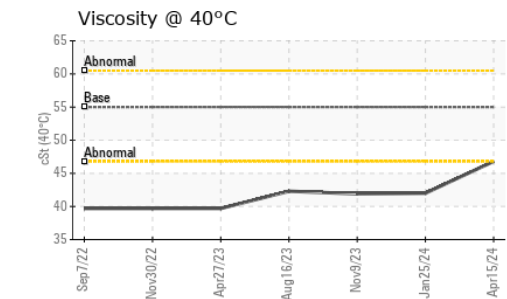
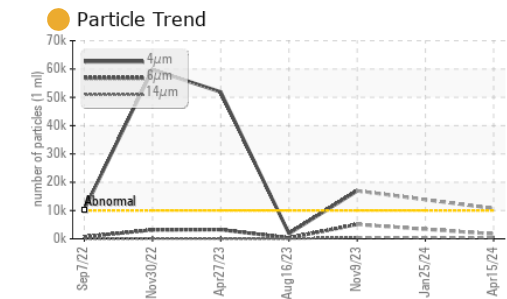
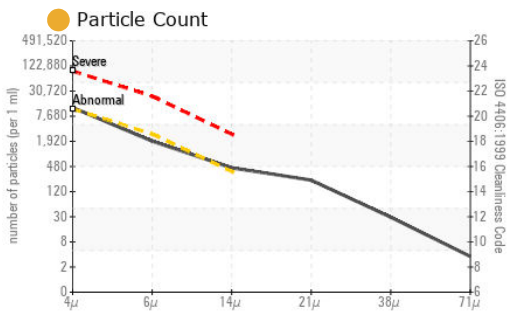
There is a moderate amount of particulates present in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>10</b>	14	14
Potassium	ppm	ASTM D5185m	>20	<b>12</b>	2	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>10000	<b>10744</b>	---	▲ 16947
Particles >6µm		ASTM D7647	>2500	<b>1697</b>	---	▲ 5099
Particles >14µm		ASTM D7647	>320	<b>392</b>	---	▲ 518
Particles >21µm		ASTM D7647	>80	<b>199</b>	---	▲ 194
Particles >38µm		ASTM D7647	>20	<b>26</b>	---	▲ 29
Particles >71µm		ASTM D7647	>4	<b>3</b>	---	▲ 6
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>21/18/16</b>	---	▲ 21/20/16
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	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>12</b>	15	16
Boron	ppm	ASTM D5185m		<b>71</b>	49	46
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>10</b>	5	6
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Magnesium	ppm	ASTM D5185m		<b>51</b>	74	72
Calcium	ppm	ASTM D5185m		<b>2742</b>	2831	2921
Phosphorus	ppm	ASTM D5185m		<b>918</b>	959	1022
Zinc	ppm	ASTM D5185m		<b>1061</b>	1247	1245
Sulfur	ppm	ASTM D5185m		<b>6099</b>	5032	5116
Visc @ 40°C	cSt	ASTM D445	55	<b>46.8</b>	42.0	41.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0918954 **Received** : 17 Apr 2024  
**Lab Number** : 06151858 **Tested** : 19 Apr 2024  
**Unique Number** : 10981936 **Diagnosed** : 19 Apr 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: Glycol, 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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