



# OIL ANALYSIS REPORT

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

Area

**Mobile Fleet**

Machine Id

**6459 6459**

Component

**Transmission (Auto)**

Fluid

**MOBIL DELVAC SYNTHETIC ATF (8 GAL)**

## RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0902941</b>	WC0784593	WC0764911
Sample Date		Client Info		<b>09 Feb 2024</b>	31 Aug 2023	08 Mar 2023
Machine Age	hrs	Client Info		<b>3346</b>	2396	1269
Oil Age	hrs	Client Info		<b>951</b>	2329	1202
Filter Age	hrs	Client Info		<b>951</b>	2329	1202
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>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	<b>52</b>	52	35
Chromium	ppm	ASTM D5185m	>2	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</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>17</b>	16	10
Lead	ppm	ASTM D5185m	>85	<b>7</b>	4	2
Copper	ppm	ASTM D5185m	>90	<b>10</b>	9	5
Tin	ppm	ASTM D5185m	>10	<b>3</b>	2	2
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

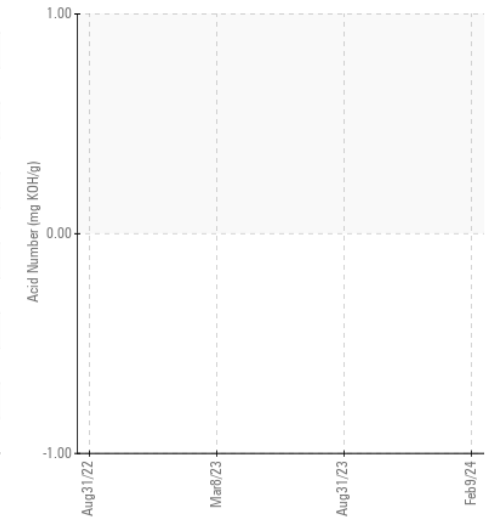
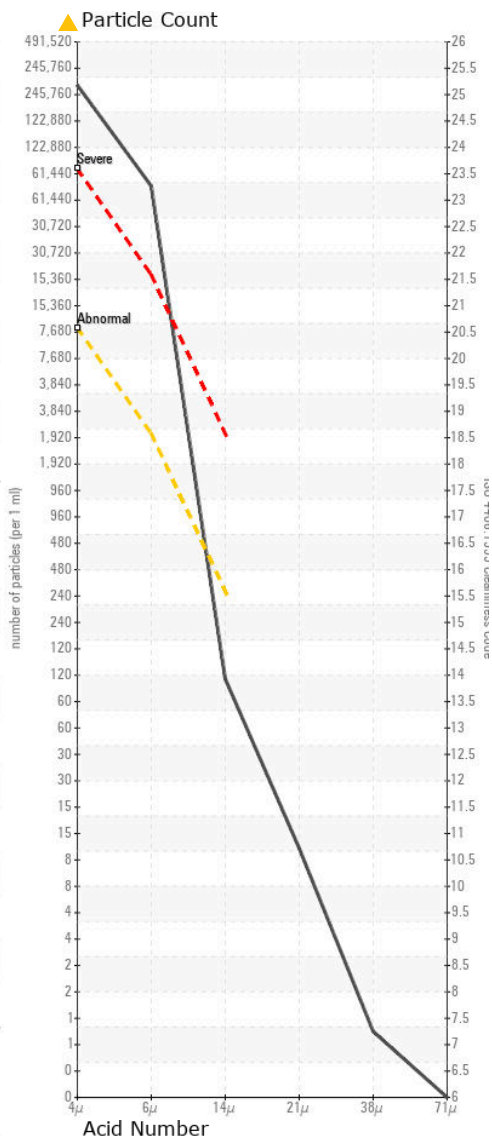
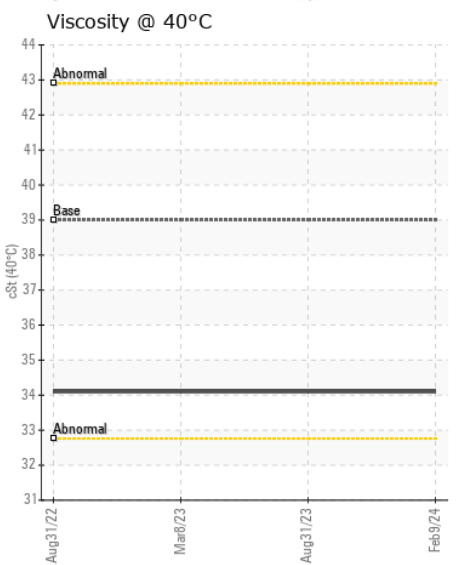
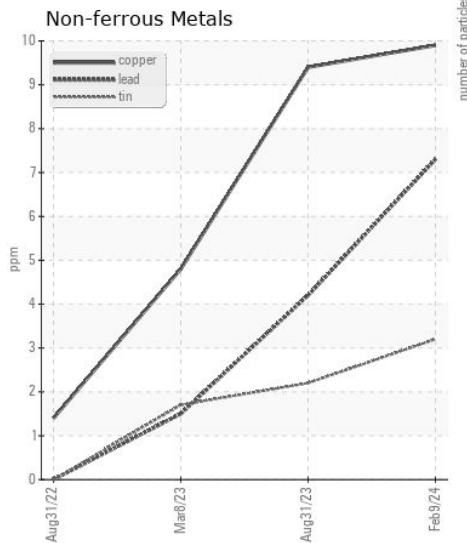
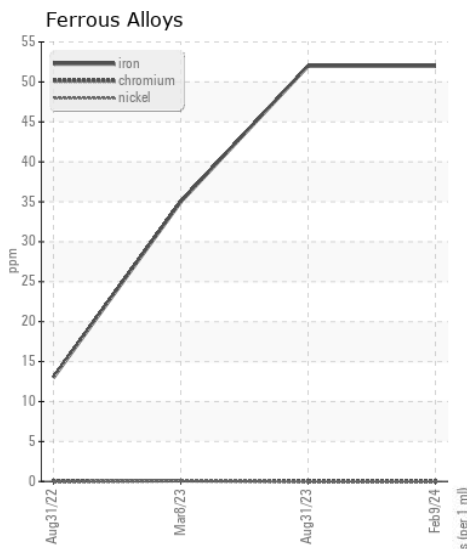
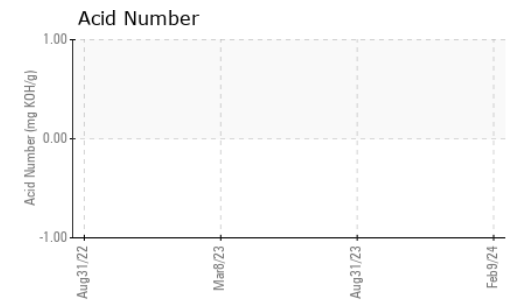
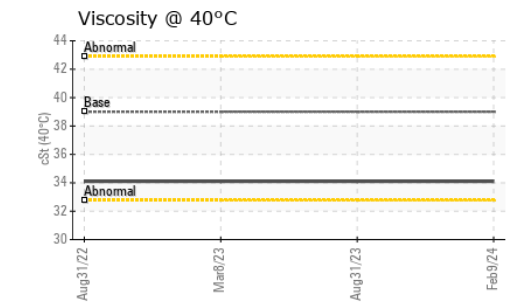
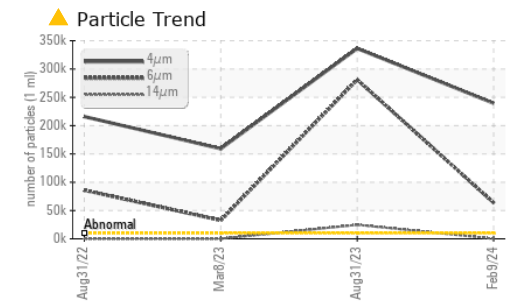
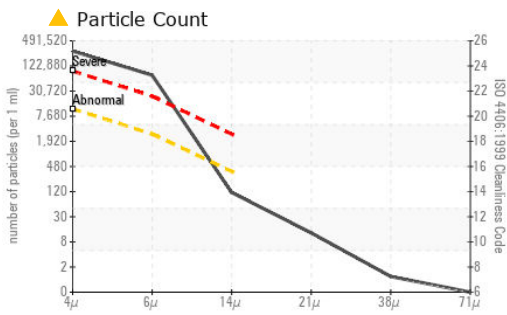
There is a high amount of silt (particulates < 14 microns in size) present in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>4</b>	4	3
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	4	4
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>10000	<b>▲ 239493</b>	▲ 336353	▲ 159175
Particles >6µm		ASTM D7647	>2500	<b>▲ 63795</b>	▲ 281210	▲ 32672
Particles >14µm		ASTM D7647	>320	<b>101</b>	▲ 24827	134
Particles >21µm		ASTM D7647	>80	<b>11</b>	▲ 991	16
Particles >38µm		ASTM D7647	>20	<b>1</b>	1	1
Particles >71µm		ASTM D7647	>4	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>▲ 25/23/14</b>	▲ 26/25/22	▲ 24/22/14
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</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>5</b>	6	3
Boron	ppm	ASTM D5185m		<b>101</b>	110	97
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	1	1
Magnesium	ppm	ASTM D5185m		<b>0</b>	0	0
Calcium	ppm	ASTM D5185m		<b>52</b>	97	63
Phosphorus	ppm	ASTM D5185m		<b>250</b>	274	255
Zinc	ppm	ASTM D5185m		<b>0</b>	0	<1
Sulfur	ppm	ASTM D5185m		<b>946</b>	1428	1457
Visc @ 40°C	cSt	ASTM D445	39	<b>34.1</b>	34.1	34.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0902941 **Received** : 13 Feb 2024  
**Lab Number** : 06087138 **Tested** : 16 Feb 2024  
**Unique Number** : 10874583 **Diagnosed** : 16 Feb 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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