



# OIL ANALYSIS REPORT

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

Area

**Mobile Fleet**

Machine Id

**8041 8041**

Component

**Transmission (Auto)**

Fluid

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

## RECOMMENDATION

Oil and 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>WC0947772</b>	WC0861969	WC0819121
Sample Date		Client Info		<b>12 Jun 2024</b>	13 Oct 2023	15 Jun 2023
Machine Age	hrs	Client Info		<b>4502</b>	3432	2561
Oil Age	hrs	Client Info		<b>4502</b>	3432	2561
Filter Age	hrs	Client Info		<b>4502</b>	3432	2561
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>102</b>	144	98
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>44</b>	28	22
Lead	ppm	ASTM D5185m	>50	<b>13</b>	19	16
Copper	ppm	ASTM D5185m	>225	<b>13</b>	18	14
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	4	4
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

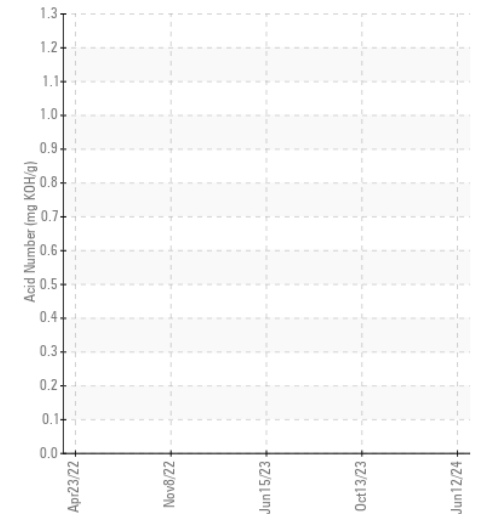
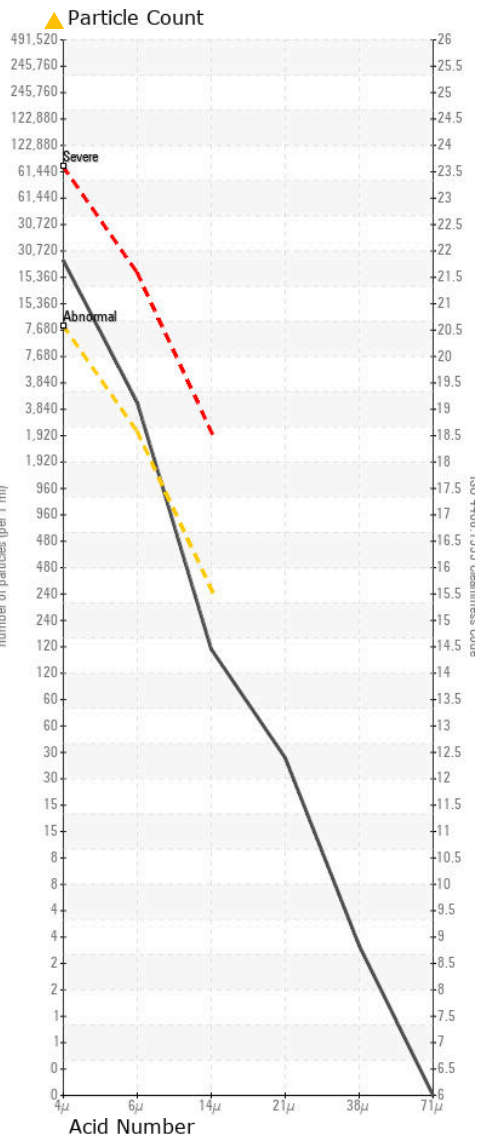
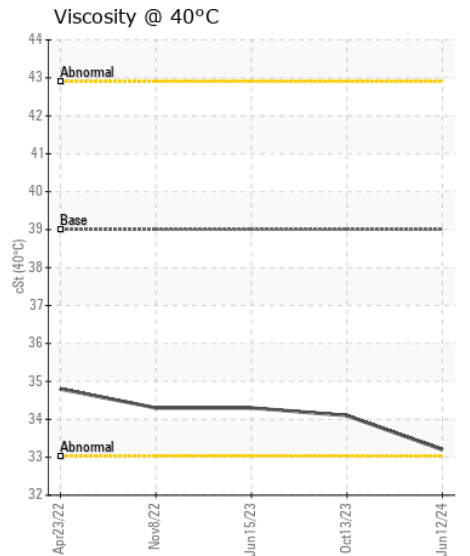
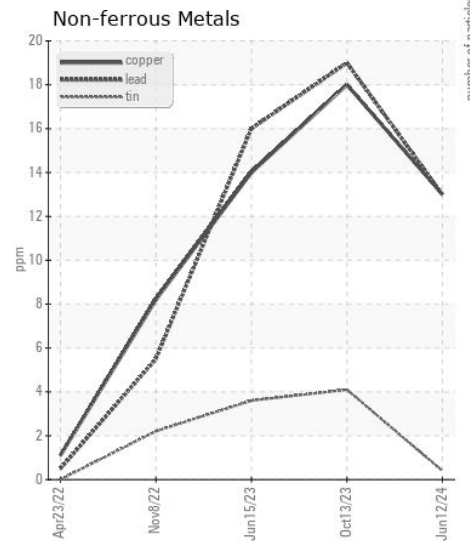
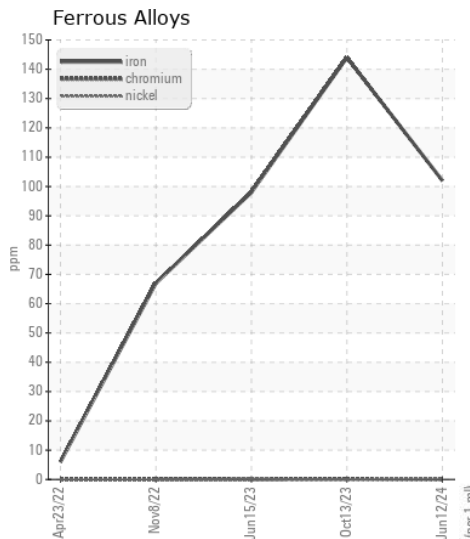
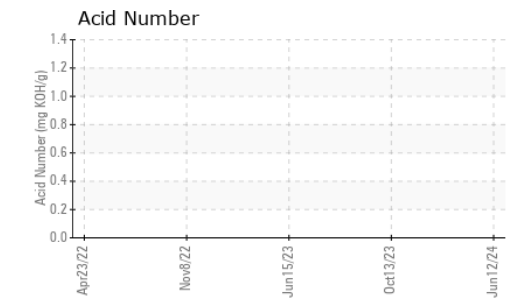
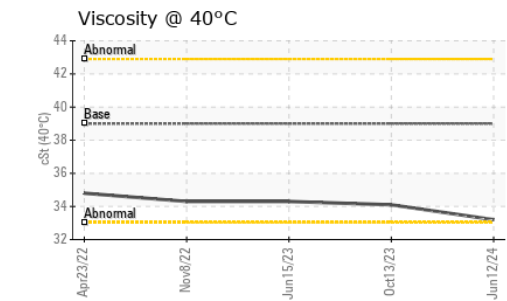
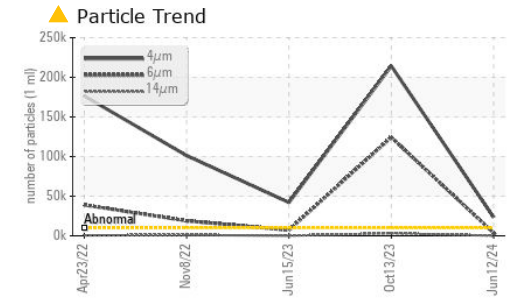
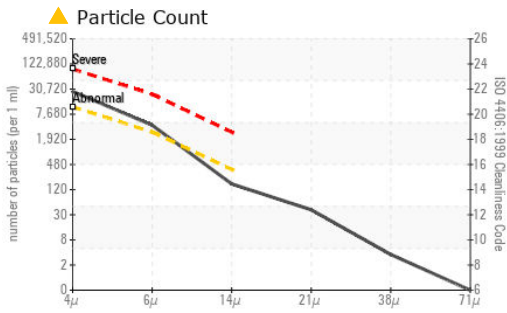
There is a high amount of silt (particulates < 14 microns in size) present in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>6</b>	5	4
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	3	6
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>10000	<b>▲ 23453</b>	▲ 214171	▲ 42107
Particles >6µm		ASTM D7647	>2500	<b>▲ 3659</b>	▲ 124311	▲ 7213
Particles >14µm		ASTM D7647	>320	<b>145</b>	▲ 3060	191
Particles >21µm		ASTM D7647	>80	<b>35</b>	▲ 193	29
Particles >38µm		ASTM D7647	>20	<b>3</b>	2	1
Particles >71µm		ASTM D7647	>4	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>▲ 22/19/14</b>	▲ 25/24/19	▲ 23/20/15
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>7</b>	7	2
Boron	ppm	ASTM D5185m		<b>108</b>	89	97
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>3</b>	3	2
Magnesium	ppm	ASTM D5185m		<b>3</b>	0	<1
Calcium	ppm	ASTM D5185m		<b>145</b>	57	66
Phosphorus	ppm	ASTM D5185m		<b>227</b>	237	253
Zinc	ppm	ASTM D5185m		<b>23</b>	0	2
Sulfur	ppm	ASTM D5185m		<b>1492</b>	1282	2422
Visc @ 40°C	cSt	ASTM D445	39	<b>33.2</b>	34.1	34.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : WC0947772 Received : 14 Jun 2024  
 Lab Number : 06209948 Tested : 17 Jun 2024  
 Unique Number : 11082812 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)

**CAROLINA SUNROCK**  
 PO BOX 25  
 BUTNER, NC  
 US 27509

Contact: Leigh Dennis  
 rdennis@thesunrockgroup.com  
 T: (919)575-4505  
 F: (919)575-0162