



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

## Mobile Fleet

Machine Id  
**8114 8114**

## Hydraulic System

Fluid  
**MOBIL MOBILFLUID 424 (25 GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

### WEAR

All component wear rates are normal.

### CONTAMINATION

Moderate concentration of visible dirt/debris present in the oil.

### FLUID CONDITION

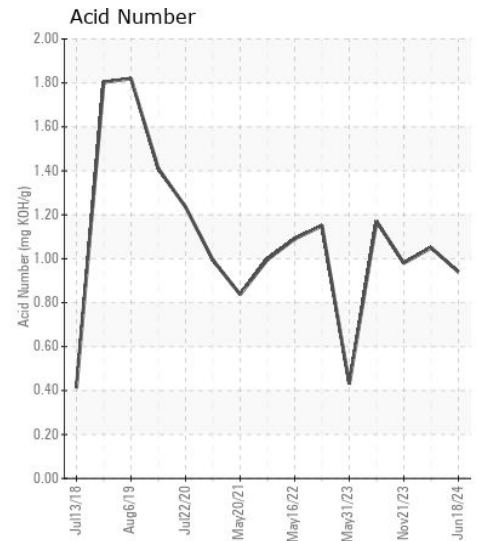
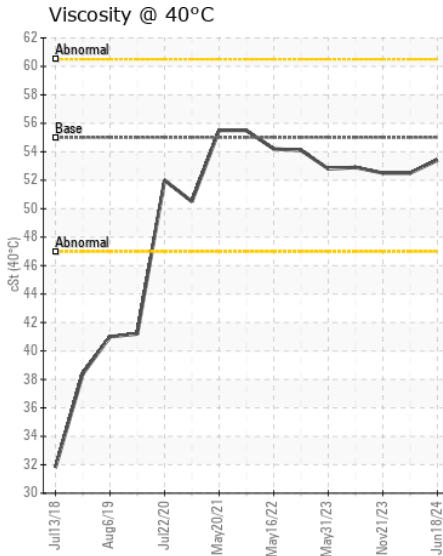
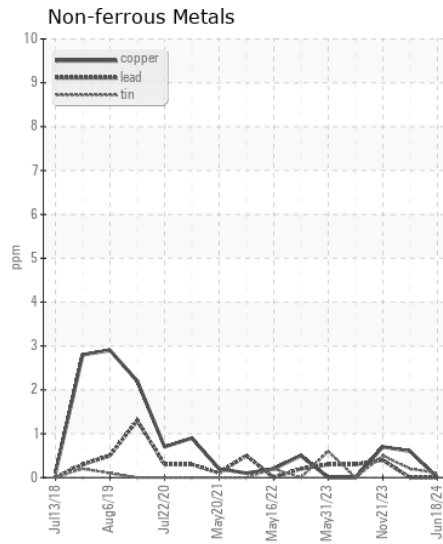
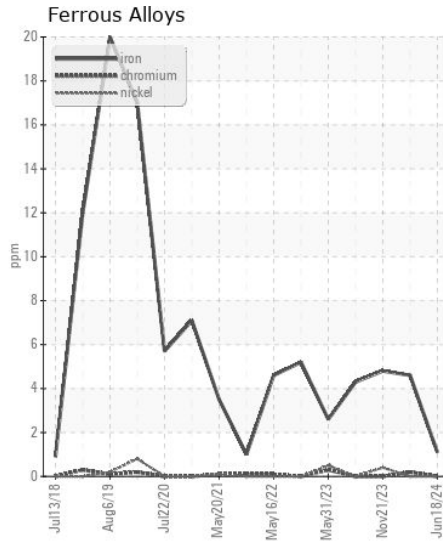
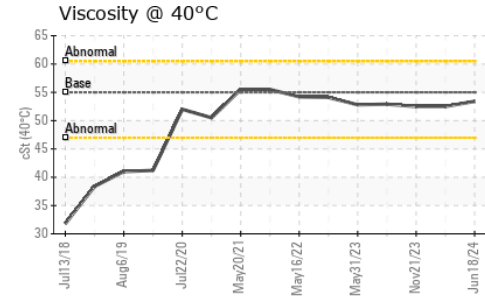
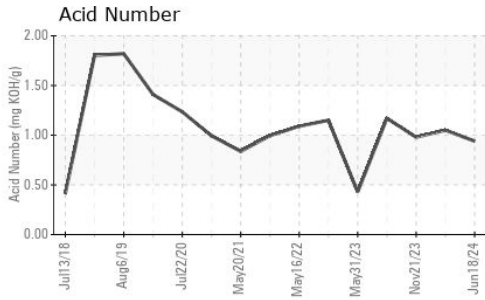
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0947759</b>	WC0861938	WC0861732
Sample Date		Client Info		<b>18 Jun 2024</b>	09 Jan 2024	21 Nov 2023
Machine Age	hrs	Client Info		<b>13243</b>	12243	11997
Oil Age	hrs	Client Info		<b>1005</b>	2762	1246
Filter Age	hrs	Client Info		<b>1005</b>	2762	1246
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

Iron	ppm	ASTM D5185m	>30	<b>1</b>	5	5
Chromium	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>2	<b>2</b>	2	2
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>25	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<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

Silicon	ppm	ASTM D5185m	>25	<b>14</b>	12	13
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	3
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>---</b>	▲ 16239	▲ 13688
Particles >6µm		ASTM D7647	>1300	<b>---</b>	▲ 1397	▲ 1624
Particles >14µm		ASTM D7647	>160	<b>---</b>	19	33
Particles >21µm		ASTM D7647	>40	<b>---</b>	4	6
Particles >38µm		ASTM D7647	>10	<b>---</b>	0	1
Particles >71µm		ASTM D7647	>3	<b>---</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>---</b>	▲ 21/18/11	▲ 21/18/12
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	▲ <b>MODER</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

Sodium	ppm	ASTM D5185m		<b>2</b>	0	0
Boron	ppm	ASTM D5185m		<b>117</b>	110	116
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>15</b>	11	11
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>52</b>	54	54
Calcium	ppm	ASTM D5185m		<b>3532</b>	3242	3470
Phosphorus	ppm	ASTM D5185m		<b>1214</b>	1084	956
Zinc	ppm	ASTM D5185m		<b>1477</b>	1329	1373
Sulfur	ppm	ASTM D5185m		<b>9162</b>	7531	7605
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.94</b>	1.05	0.98
Visc @ 40°C	cSt	ASTM D445	55	<b>53.4</b>	52.5	52.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0947759  
**Lab Number** : 06215696  
**Unique Number** : 11088560  
**Test Package** : CONST  
**Received** : 20 Jun 2024  
**Tested** : 22 Jun 2024  
**Diagnosed** : 22 Jun 2024 - Don Baldrige

**CAROLINA SUNROCK**  
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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)