



# OIL ANALYSIS REPORT

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



Area  
**Mobile Fleet**  
Machine Id  
**5000 5000**  
Component  
**Left Final Drive**  
Fluid  
**MOBIL MOBILUBE XFD 60 (6 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0918679</b>	WC0771044	WC0770897
Sample Date		Client Info		<b>18 Apr 2024</b>	30 Jun 2023	07 Mar 2023
Machine Age	hrs	Client Info		<b>22497</b>	20747	19935
Oil Age	hrs	Client Info		<b>1159</b>	1890	19935
Filter Age	hrs	Client Info		<b>1159</b>	0	0
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>NORMAL</b>	ATTENTION	ATTENTION

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	<b>103</b>	37	32
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>1</b>	0	0
Titanium	ppm	ASTM D5185m	>15	<b>1</b>	<1	<1
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>75	<b>3</b>	<1	1
Lead	ppm	ASTM D5185m	>10	<b>2</b>	<1	<1
Copper	ppm	ASTM D5185m	>75	<b>7</b>	6	4
Tin	ppm	ASTM D5185m	>8	<b>1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

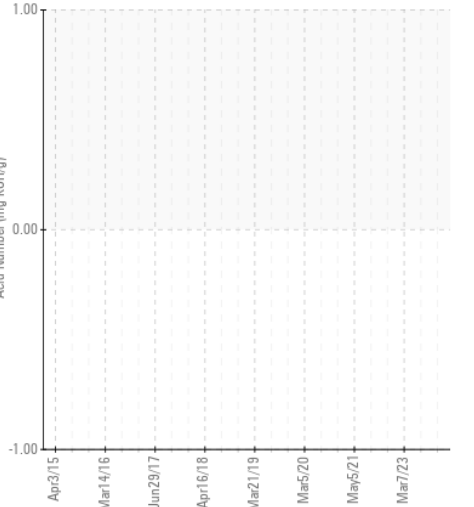
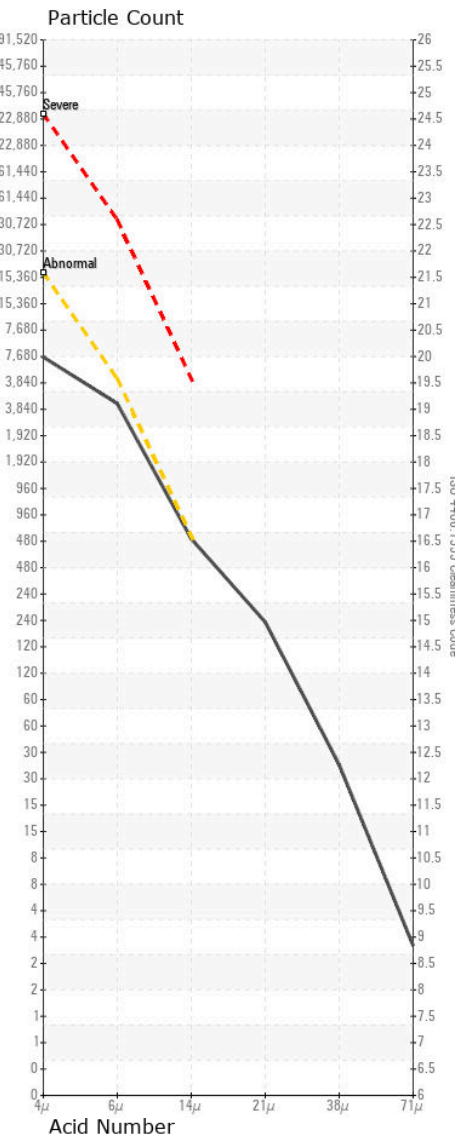
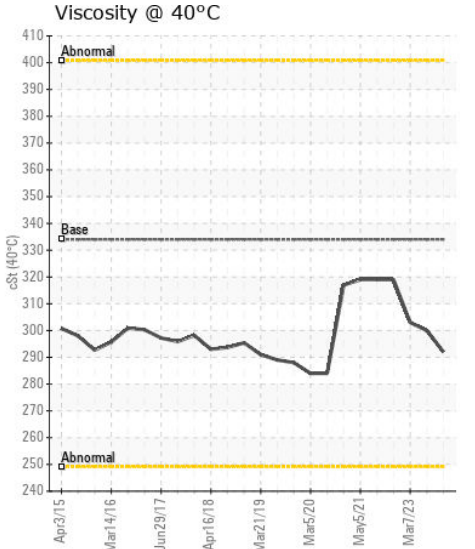
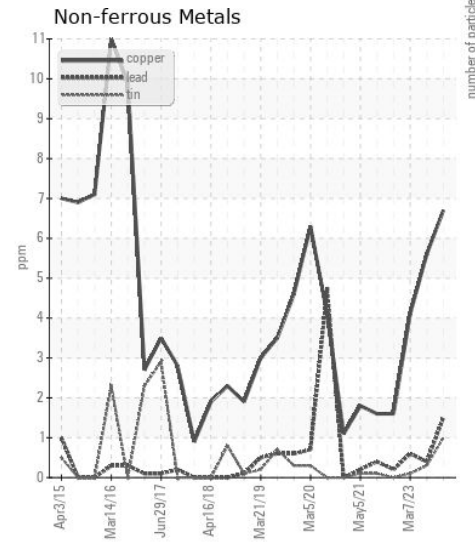
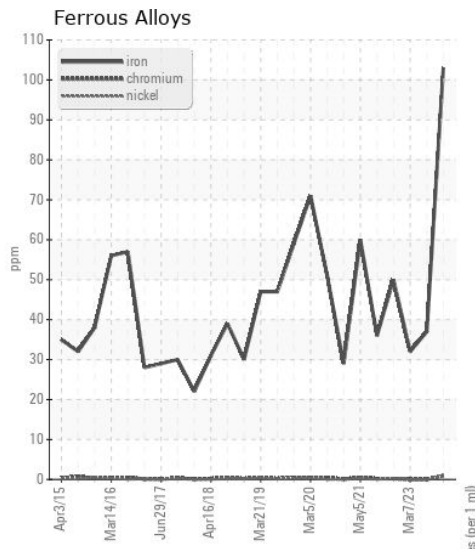
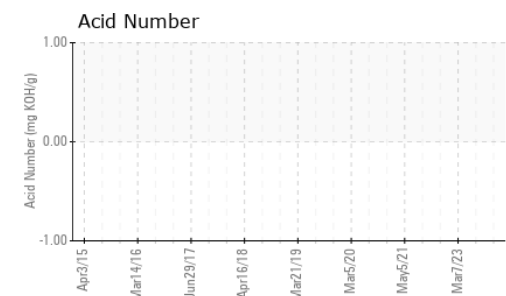
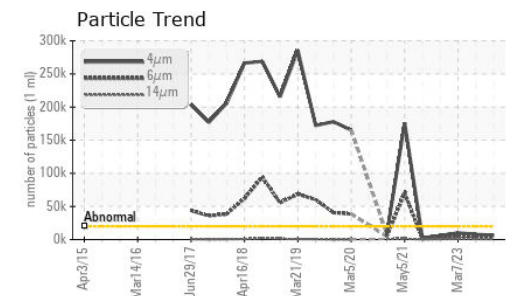
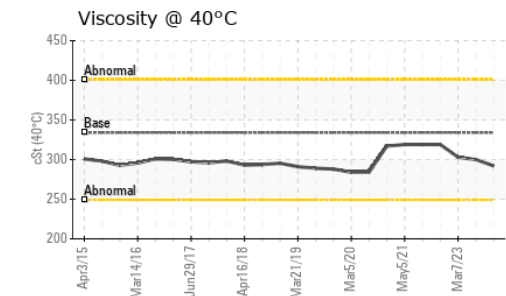
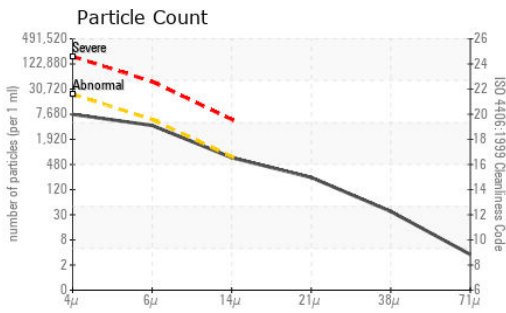
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>400	<b>29</b>	19	18
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	1	0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>20000	<b>6629</b>	7699	10239
Particles >6µm		ASTM D7647	>5000	<b>3611</b>	4194	5578
Particles >14µm		ASTM D7647	>640	<b>615</b>	714	949
Particles >21µm		ASTM D7647	>160	<b>207</b>	240	320
Particles >38µm		ASTM D7647	>40	<b>32</b>	37	49
Particles >71µm		ASTM D7647	>10	<b>3</b>	4	5
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>20/19/16</b>	20/19/17	21/20/17
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	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>11</b>	17	15
Boron	ppm	ASTM D5185m		<b>95</b>	116	94
Barium	ppm	ASTM D5185m		<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>10</b>	7	8
Calcium	ppm	ASTM D5185m		<b>774</b>	477	447
Phosphorus	ppm	ASTM D5185m		<b>430</b>	377	333
Zinc	ppm	ASTM D5185m		<b>178</b>	65	59
Sulfur	ppm	ASTM D5185m		<b>14073</b>	15432	14152
Visc @ 40°C	cSt	ASTM D445	334	<b>292</b>	300	303



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0918679 **Received** : 22 Apr 2024  
**Lab Number** : 06156822 **Tested** : 24 Apr 2024  
**Unique Number** : 10992245 **Diagnosed** : 24 Apr 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PrtCount )

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Certificate L2367  
 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)