



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL



Area  
**Mobile Fleet**  
Machine Id  
**5001 5001**  
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		WC0956038	WC0867152	WC0808963
Sample Date		Client Info		11 Jul 2024	19 Oct 2023	23 May 2023
Machine Age	hrs	Client Info		21151	20016	19289
Oil Age	hrs	Client Info		3693	2558	1831
Filter Age	hrs	Client Info		3693	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ATTENTION	ATTENTION	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	140	108	93
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	2	2	1
Titanium	ppm	ASTM D5185m	>15	4	4	4
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>75	8	6	8
Lead	ppm	ASTM D5185m	>10	1	1	0
Copper	ppm	ASTM D5185m	>75	10	10	7
Tin	ppm	ASTM D5185m	>8	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

## CONTAMINATION

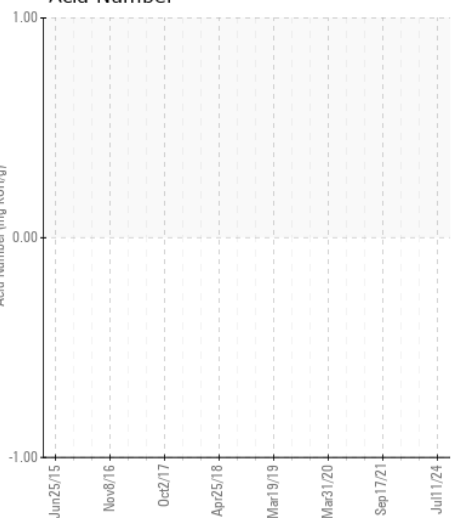
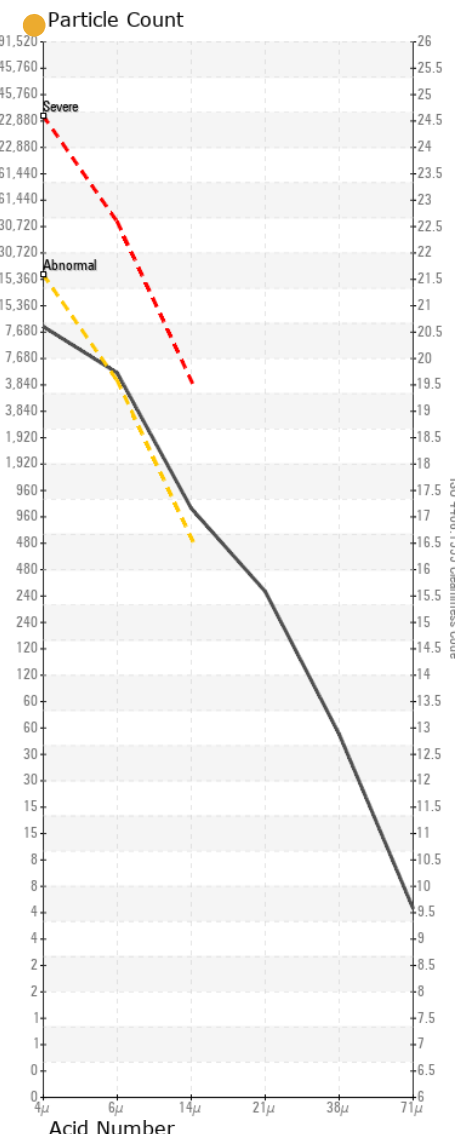
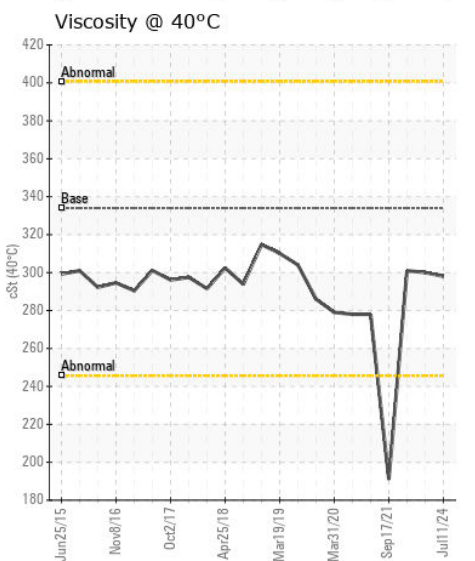
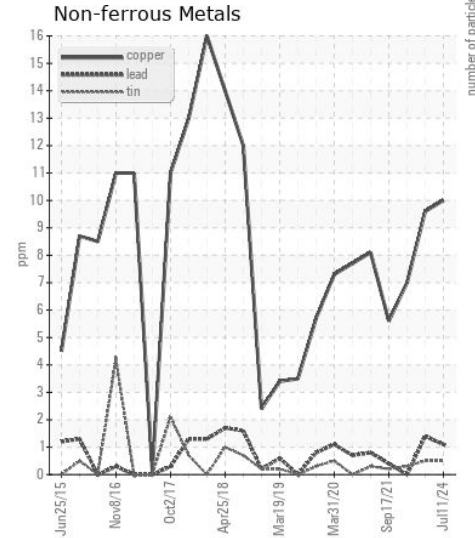
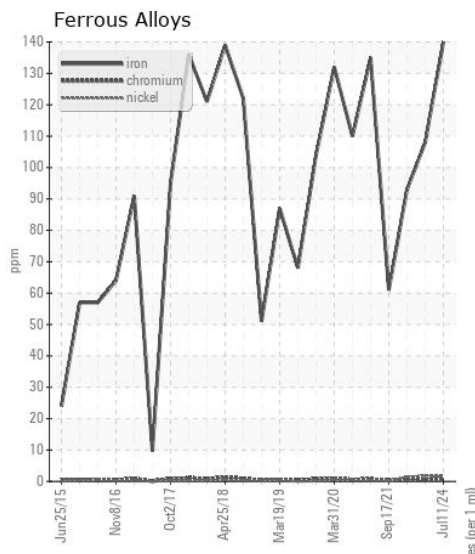
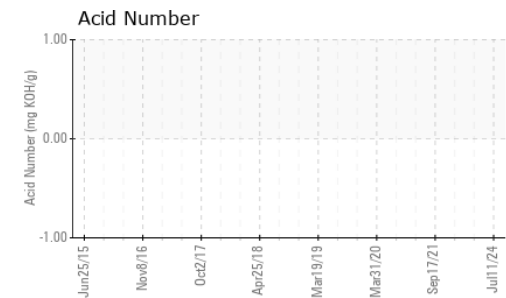
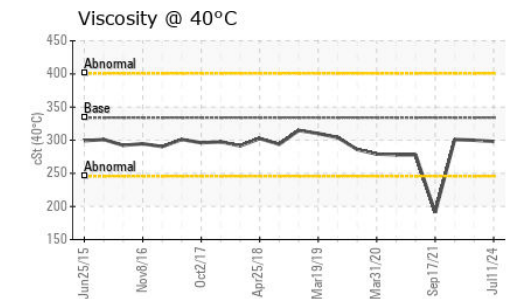
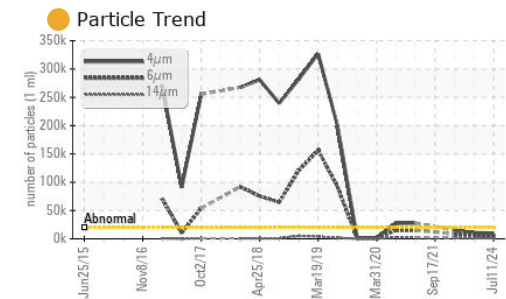
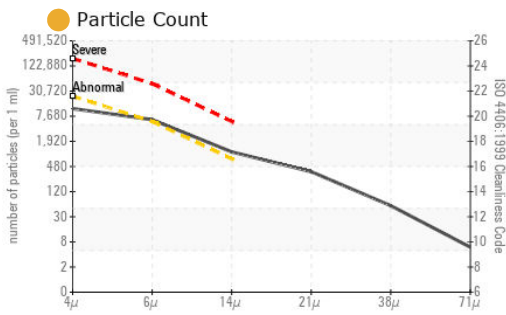
There is a moderate amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>400	47	41	36
Potassium	ppm	ASTM D5185m	>20	12	12	8
Water		WC Method	>0.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	10153	11083	15422
Particles >6µm		ASTM D7647	>5000	5531	6038	8412
Particles >14µm		ASTM D7647	>640	941	1028	1432
Particles >21µm		ASTM D7647	>160	317	346	482
Particles >38µm		ASTM D7647	>40	49	53	74
Particles >71µm		ASTM D7647	>10	5	5	8
Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/20/17	21/20/17	21/20/18
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		6	7	9
Boron	ppm	ASTM D5185m		114	114	102
Barium	ppm	ASTM D5185m		<1	9	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		1	1	1
Magnesium	ppm	ASTM D5185m		8	7	8
Calcium	ppm	ASTM D5185m		420	418	412
Phosphorus	ppm	ASTM D5185m		311	361	358
Zinc	ppm	ASTM D5185m		55	55	47
Sulfur	ppm	ASTM D5185m		10545	12232	13767
Visc @ 40°C	cSt	ASTM D445	334	298	300	301



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0956038  
**Lab Number** : 06235750  
**Unique Number** : 11124584  
**Test Package** : CONST ( Additional Tests: PrtCount )

**Received** : 15 Jul 2024  
**Tested** : 16 Jul 2024  
**Diagnosed** : 16 Jul 2024 - Don Baldridge

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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)