



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area  
**Mobile Fleet**  
 Machine Id  
**6444 6444**  
 Component  
**Gearbox**  
 Fluid  
**MOBIL MOBILUBE HD 85W140 (3 GAL)**

## RECOMMENDATION

The oil 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		WC0919046	WC0462423	---
Sample Date		Client Info		15 Apr 2024	09 May 2020	---
Machine Age	hrs	Client Info		8262	37	---
Oil Age	hrs	Client Info		3995	37	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changed	---
Filter Changed		Client Info		Not Changed	Not Changed	---
Sample Status				ATTENTION	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	100	8	---
Chromium	ppm	ASTM D5185m	>10	2	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	<1	<1	---
Lead	ppm	ASTM D5185m	>50	0	<1	---
Copper	ppm	ASTM D5185m	>200	<1	<1	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

## CONTAMINATION

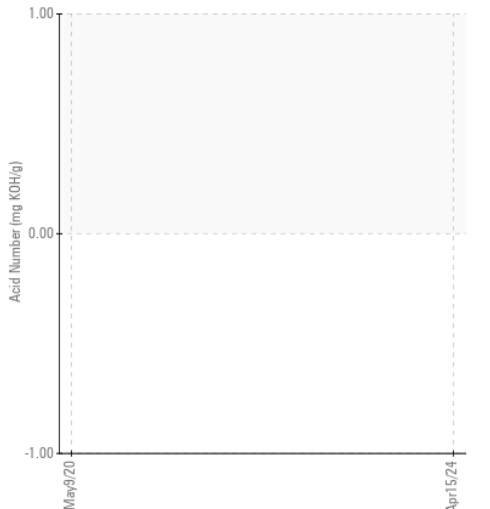
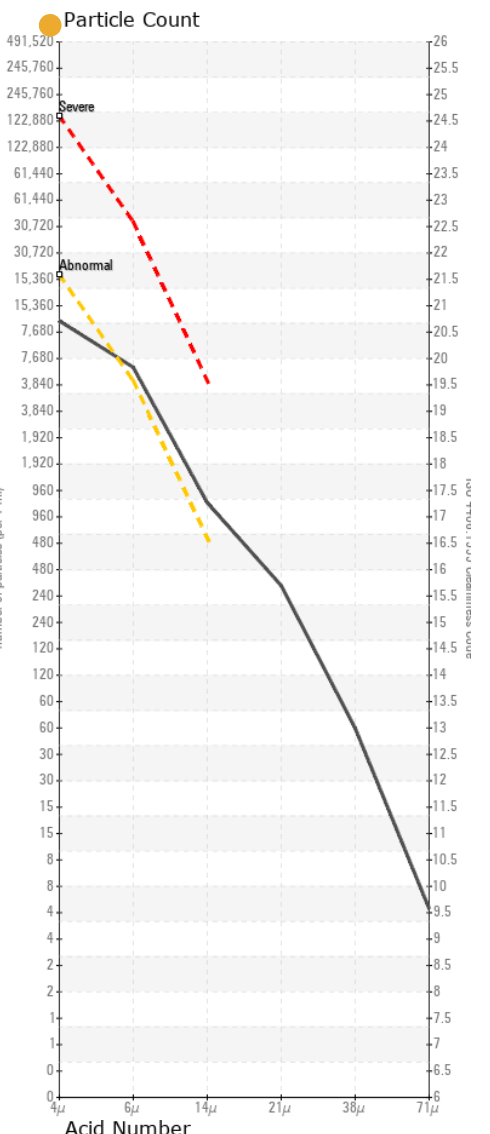
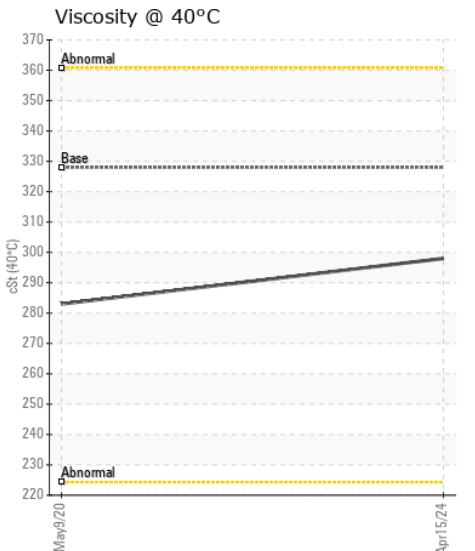
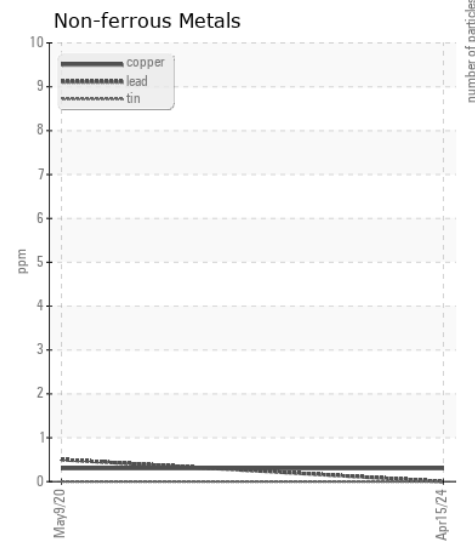
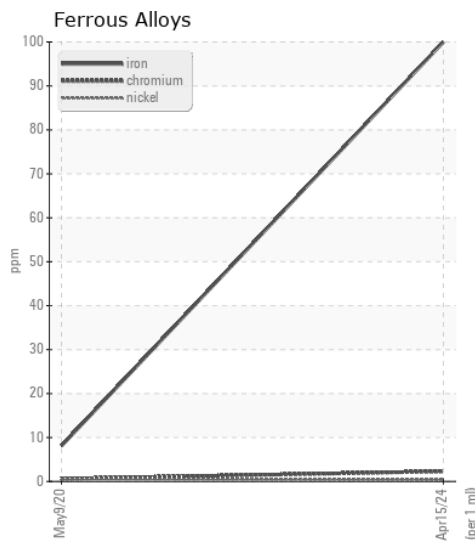
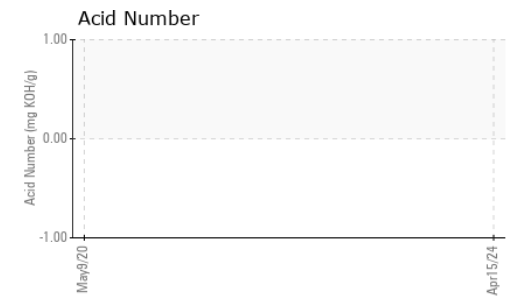
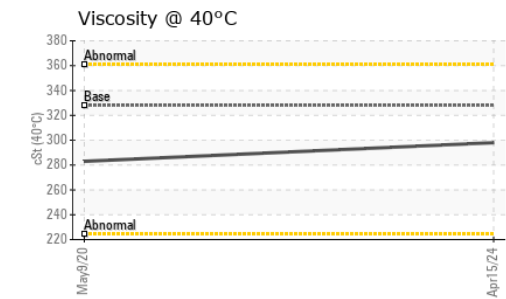
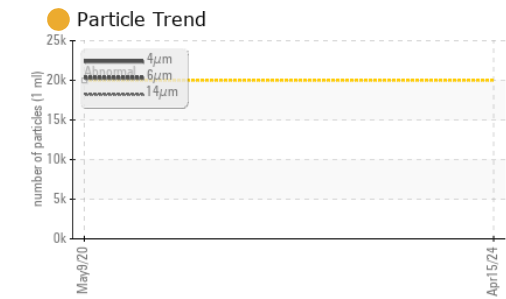
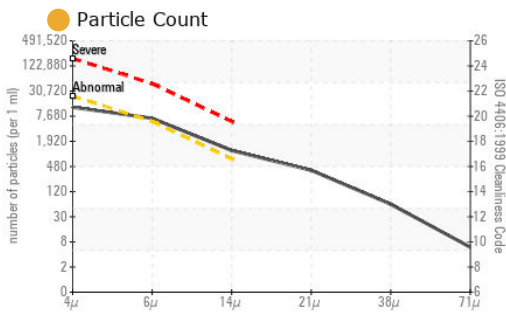
There is a moderate amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>50	6	2	---
Potassium	ppm	ASTM D5185m	>20	10	23	---
Water		WC Method	>0.2	NEG	NEG	---
Particles >4µm		ASTM D7647	>20000	10936	---	---
Particles >6µm		ASTM D7647	>5000	5957	---	---
Particles >14µm		ASTM D7647	>640	1014	---	---
Particles >21µm		ASTM D7647	>160	342	---	---
Particles >38µm		ASTM D7647	>40	53	---	---
Particles >71µm		ASTM D7647	>10	5	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/20/17	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	2	---
Boron	ppm	ASTM D5185m		149	164	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		4	6	---
Manganese	ppm	ASTM D5185m		3	<1	---
Magnesium	ppm	ASTM D5185m		17	42	---
Calcium	ppm	ASTM D5185m		91	117	---
Phosphorus	ppm	ASTM D5185m		935	825	---
Zinc	ppm	ASTM D5185m		68	59	---
Sulfur	ppm	ASTM D5185m		27756	16160	---
Visc @ 40°C	cSt	ASTM D445	328	298	283	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0919046 **Received** : 17 Apr 2024  
**Lab Number** : 06151851 **Tested** : 19 Apr 2024  
**Unique Number** : 10981929 **Diagnosed** : 19 Apr 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)

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