



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Mobile Fleet
 Machine Id
6453 6453
 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		WC0937757	WC0470332	---
Sample Date		Client Info		27 Jun 2024	18 May 2020	---
Machine Age	hrs	Client Info		7740	71	---
Oil Age	hrs	Client Info		3932	71	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changed	---
Filter Changed		Client Info		Not Changed	N/A	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

Gear wear is indicated. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	▲ 204	7	---
Chromium	ppm	ASTM D5185m	>10	5	<1	---
Nickel	ppm	ASTM D5185m	>10	2	<1	---
Titanium	ppm	ASTM D5185m		<1	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	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

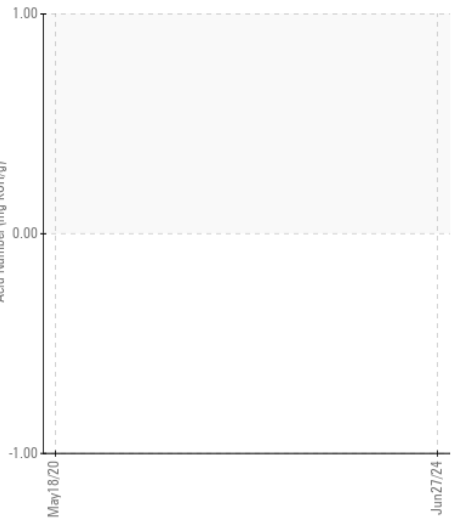
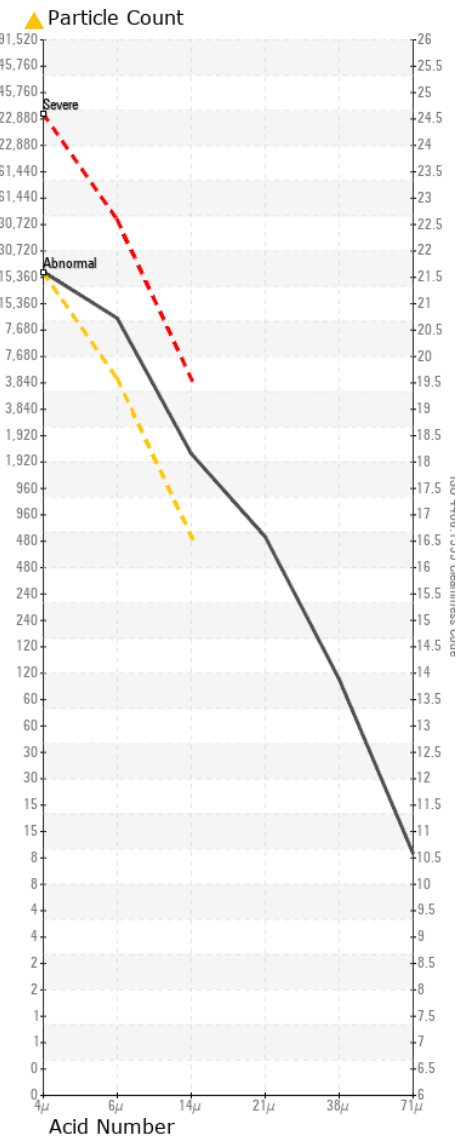
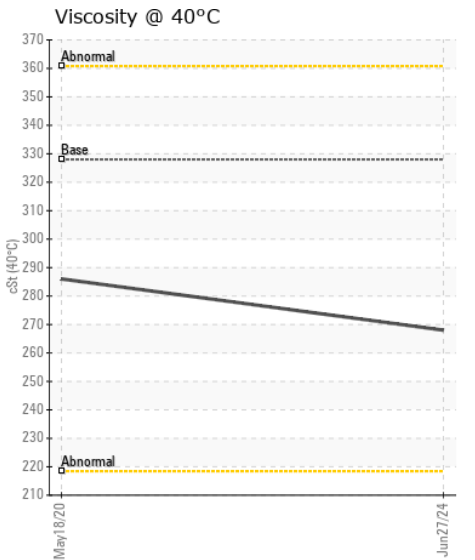
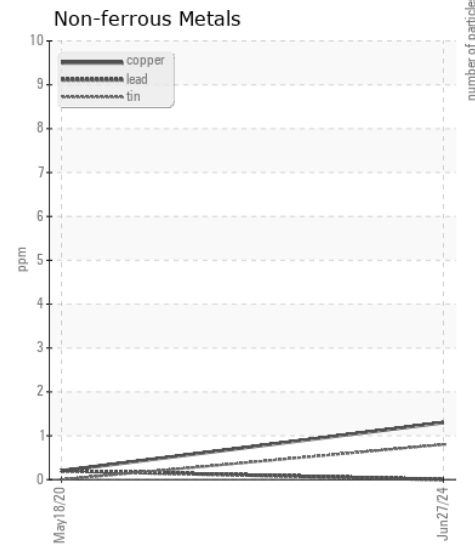
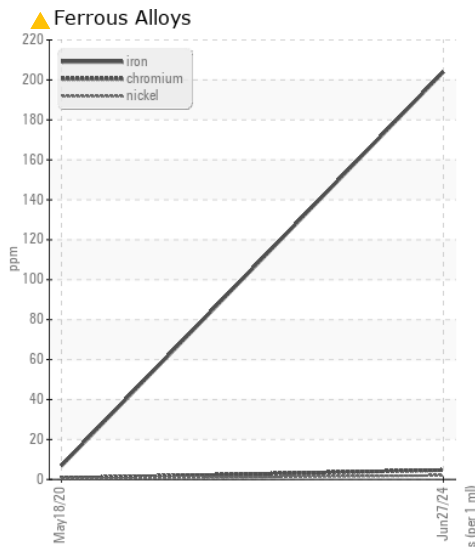
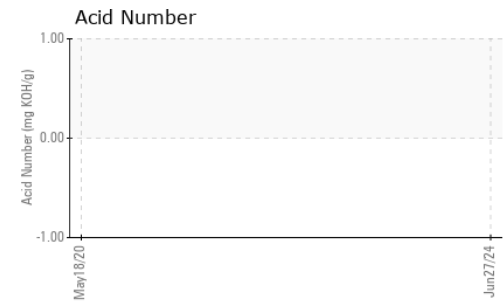
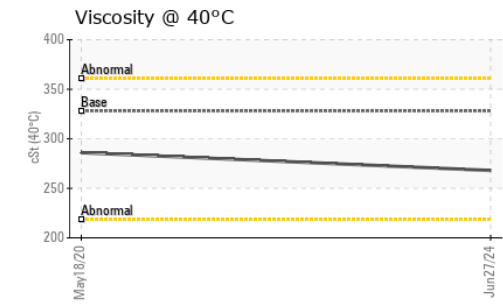
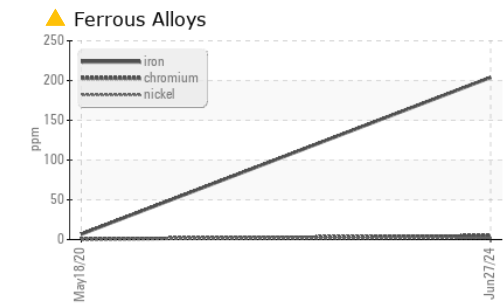
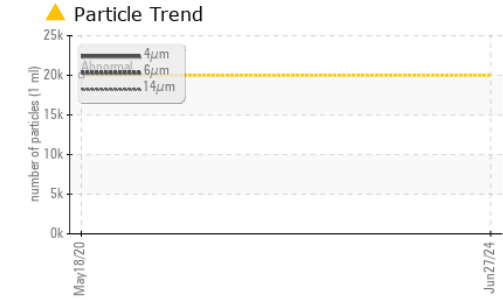
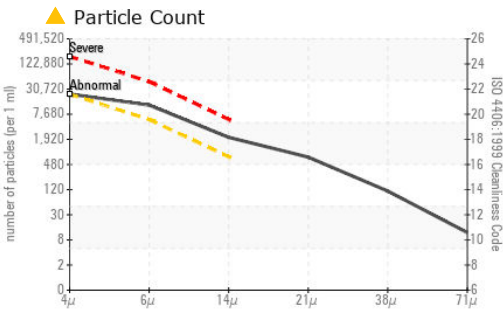
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>50	4	1	---
Potassium	ppm	ASTM D5185m	>20	12	28	---
Water		WC Method	>0.2	NEG	NEG	---
Particles >4µm		ASTM D7647	>20000	▲ 20227	---	---
Particles >6µm		ASTM D7647	>5000	▲ 11019	---	---
Particles >14µm		ASTM D7647	>640	▲ 1875	---	---
Particles >21µm		ASTM D7647	>160	▲ 632	---	---
Particles >38µm		ASTM D7647	>40	▲ 98	---	---
Particles >71µm		ASTM D7647	>10	10	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ 22/21/18	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	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	1	---
Boron	ppm	ASTM D5185m		84	160	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		6	5	---
Manganese	ppm	ASTM D5185m		6	<1	---
Magnesium	ppm	ASTM D5185m		49	39	---
Calcium	ppm	ASTM D5185m		120	111	---
Phosphorus	ppm	ASTM D5185m		1093	822	---
Zinc	ppm	ASTM D5185m		105	57	---
Sulfur	ppm	ASTM D5185m		27073	15515	---
Visc @ 40°C	cSt	ASTM D445	328	268	286	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0937757 **Received** : 01 Jul 2024
Lab Number : 06224972 **Tested** : 03 Jul 2024
Unique Number : 11103169 **Diagnosed** : 03 Jul 2024 - Don Baldridge
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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