



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Mobile Fleet
Machine Id
5009 5009
Component
Front Right Hub
Fluid
MOBIL MOBILUBE XFD 60 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0919064	WC0710562	---
Sample Date		Client Info		12 Apr 2024	10 Jun 2022	---
Machine Age	hrs	Client Info		14974	10755	---
Oil Age	hrs	Client Info		1579	658	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Not Chngd	Changed	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	15	76	---
Chromium	ppm	ASTM D5185m	>10	0	<1	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m		3	19	---
Lead	ppm	ASTM D5185m		0	0	---
Copper	ppm	ASTM D5185m		0	<1	---
Tin	ppm	ASTM D5185m		<1	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

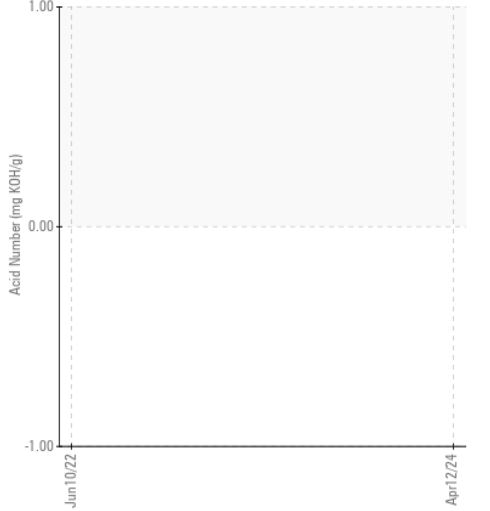
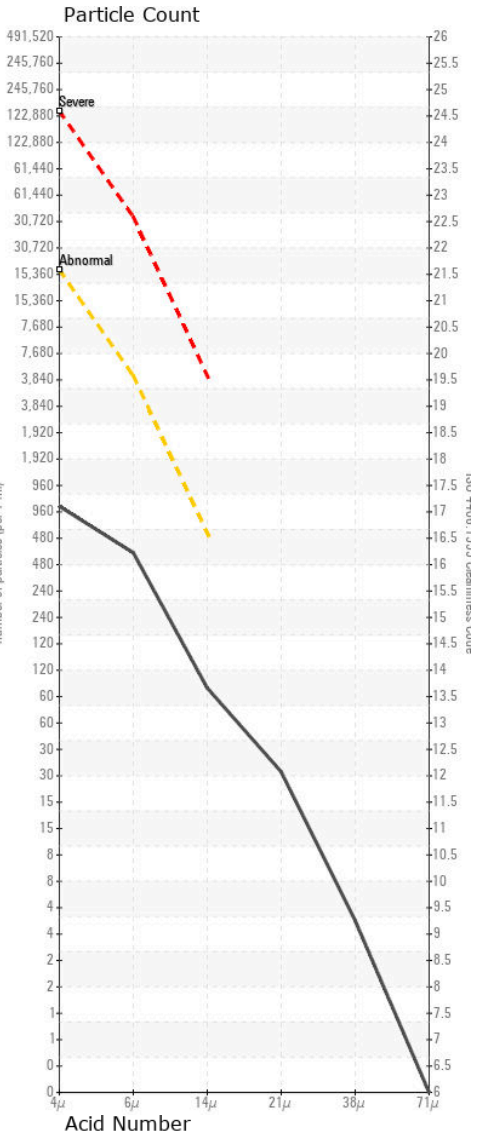
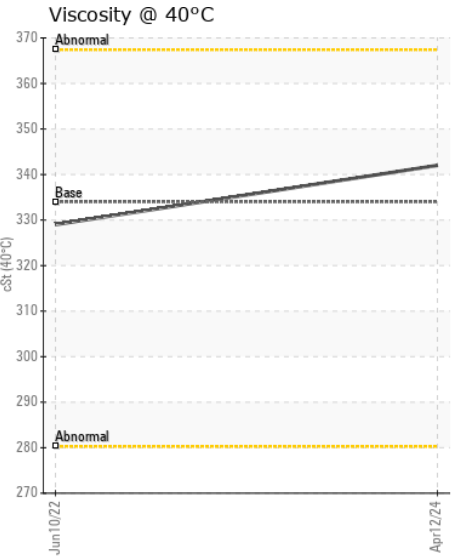
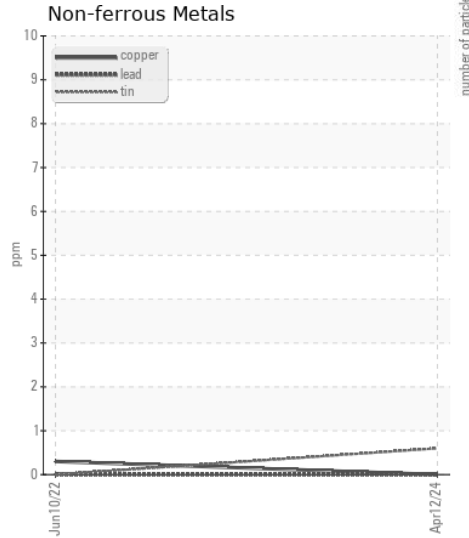
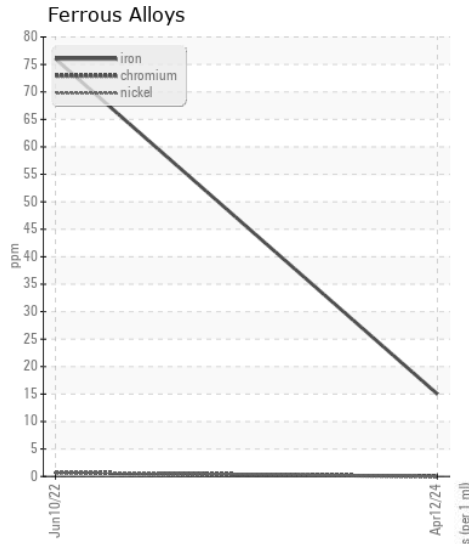
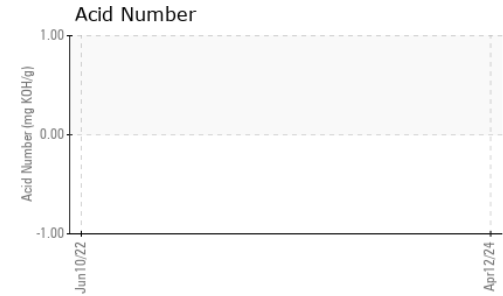
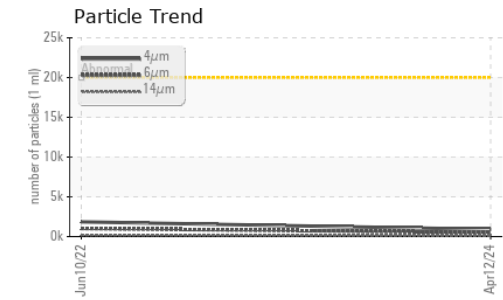
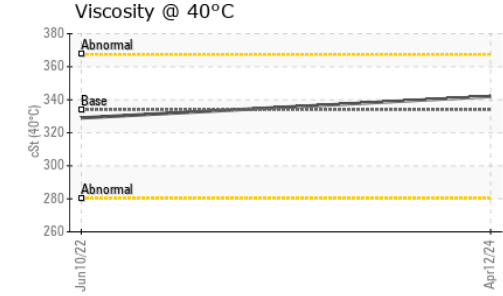
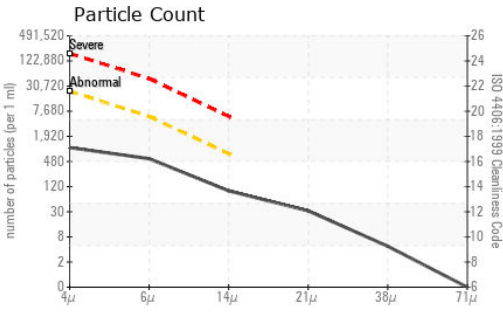
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m		10	45	---
Potassium	ppm	ASTM D5185m	>20	0	0	---
Water		WC Method	>0.2	NEG	NEG	---
Particles >4µm		ASTM D7647	>20000	905	1855	---
Particles >6µm		ASTM D7647	>5000	493	1011	---
Particles >14µm		ASTM D7647	>640	84	172	---
Particles >21µm		ASTM D7647	>160	28	58	---
Particles >38µm		ASTM D7647	>40	4	9	---
Particles >71µm		ASTM D7647	>10	0	1	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	17/16/14	18/17/15	---
Silt	scalar	*Visual	NONE	LIGHT	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
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		6	8	---
Boron	ppm	ASTM D5185m		110	159	---
Barium	ppm	ASTM D5185m		0	3	---
Molybdenum	ppm	ASTM D5185m		0	<1	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m		1	9	---
Calcium	ppm	ASTM D5185m		285	278	---
Phosphorus	ppm	ASTM D5185m		281	300	---
Zinc	ppm	ASTM D5185m		0	3	---
Sulfur	ppm	ASTM D5185m		13226	11174	---
Visc @ 40°C	cSt	ASTM D445	334	342	329	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0919064 **Received** : 16 Apr 2024
Lab Number : 06150197 **Tested** : 18 Apr 2024
Unique Number : 10980275 **Diagnosed** : 18 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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