



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

Mobile Fleet

Machine Id

8047 8047

Component

Rear Differential

Fluid

MOBIL DELVAC 1 SYNTHETIC GEAR SAE 75W90 (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0956066	WC0765112	---
Sample Date		Client Info		16 Jul 2024	29 Mar 2023	---
Machine Age	hrs	Client Info		3118	11	---
Oil Age	hrs	Client Info		3118	0	---
Filter Age	hrs	Client Info		3118	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	N/A	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	208	41	---
Chromium	ppm	ASTM D5185m	>10	1	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	<1	---
Aluminum	ppm	ASTM D5185m	>25	4	<1	---
Lead	ppm	ASTM D5185m	>25	0	0	---
Copper	ppm	ASTM D5185m	>100	2	<1	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

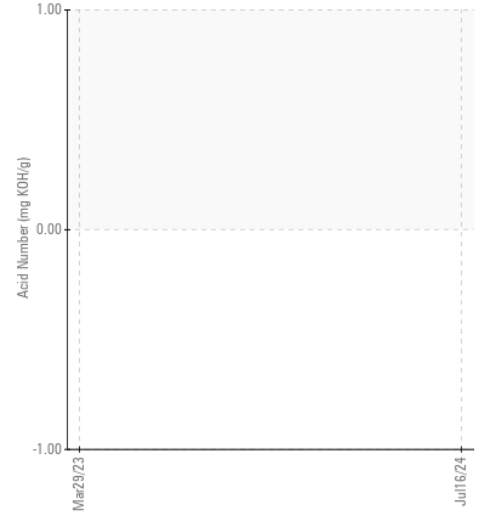
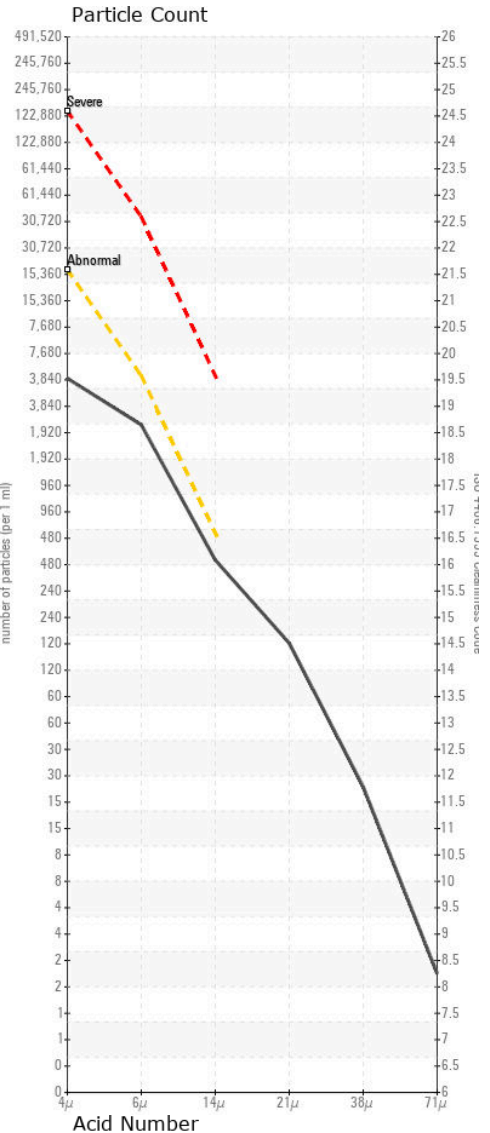
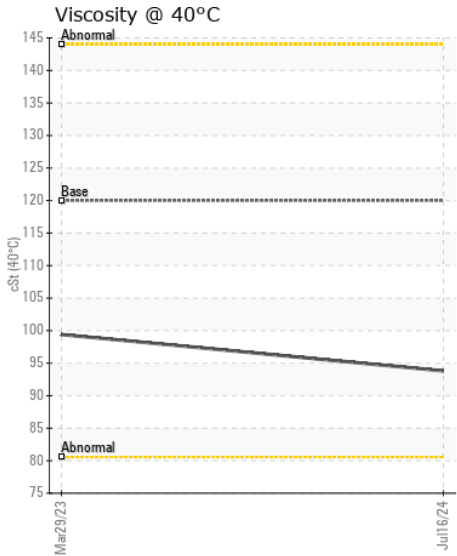
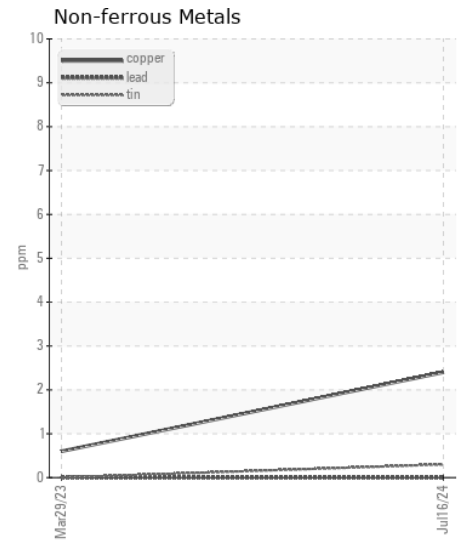
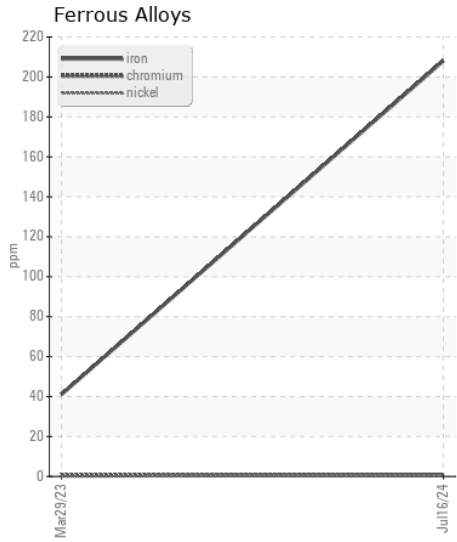
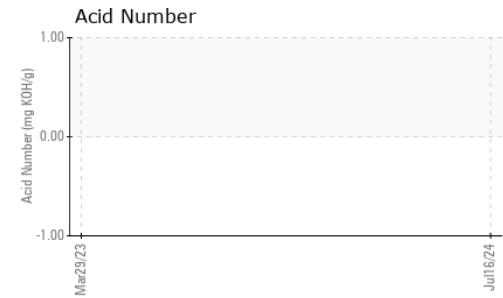
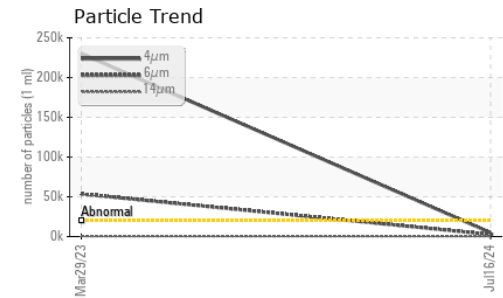
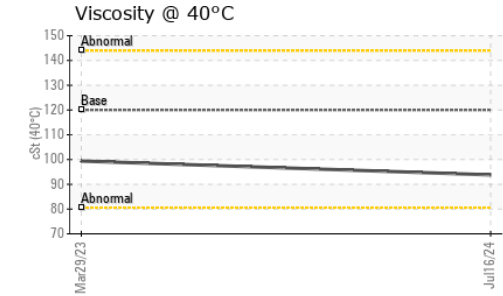
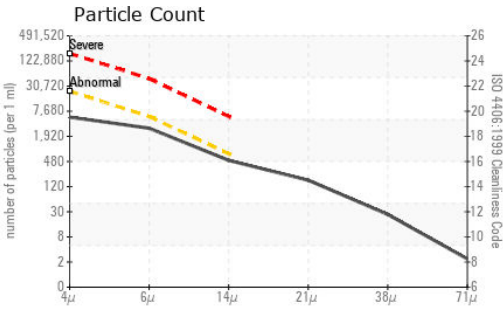
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	26	11	---
Potassium	ppm	ASTM D5185m	>20	3	1	---
Water		WC Method	>.2	NEG	NEG	---
Particles >4µm		ASTM D7647	>20000	4828	▲ 230175	---
Particles >6µm		ASTM D7647	>5000	2630	▲ 53526	---
Particles >14µm		ASTM D7647	>640	448	538	---
Particles >21µm		ASTM D7647	>160	151	63	---
Particles >38µm		ASTM D7647	>40	23	1	---
Particles >71µm		ASTM D7647	>10	2	0	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	19/19/16	▲ 25/23/16	---
Silt	scalar	*Visual	NONE	NONE	LIGHT	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	● HAZY	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		9	6	---
Boron	ppm	ASTM D5185m		320	288	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		8	6	---
Magnesium	ppm	ASTM D5185m		6	4	---
Calcium	ppm	ASTM D5185m		9	12	---
Phosphorus	ppm	ASTM D5185m		1600	1512	---
Zinc	ppm	ASTM D5185m		17	15	---
Sulfur	ppm	ASTM D5185m		27468	30109	---
Visc @ 40°C	cSt	ASTM D445	120	93.8	99.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0956066 **Received** : 18 Jul 2024
Lab Number : 06240167 **Tested** : 19 Jul 2024
Unique Number : 11129001 **Diagnosed** : 19 Jul 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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