



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

Mobile Fleet

Machine Id

6454 6454

Component

Transmission (Auto)

Fluid

MOBIL DELVAC SYNTHETIC ATF (8 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0902911	WC0784620	WC0808889
Sample Date		Client Info		23 Feb 2024	23 Aug 2023	04 May 2023
Machine Age	hrs	Client Info		7605	6582	1471
Oil Age	hrs	Client Info		3262	2239	1435
Filter Age	hrs	Client Info		3262	2239	1435
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	46	48	36
Chromium	ppm	ASTM D5185m	>2	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>70	32	30	18
Lead	ppm	ASTM D5185m	>85	13	13	3
Copper	ppm	ASTM D5185m	>90	8	11	6
Tin	ppm	ASTM D5185m	>10	2	3	4
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

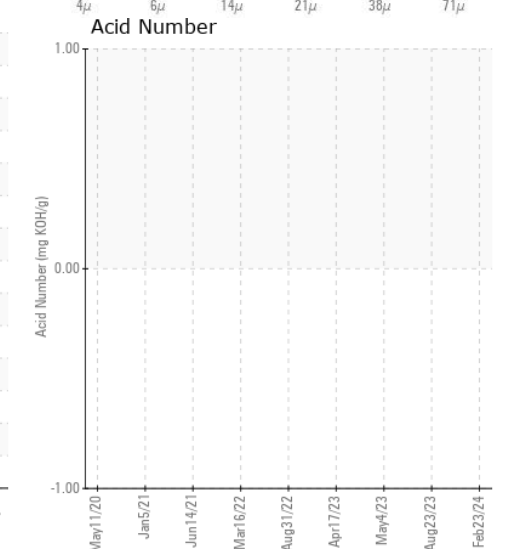
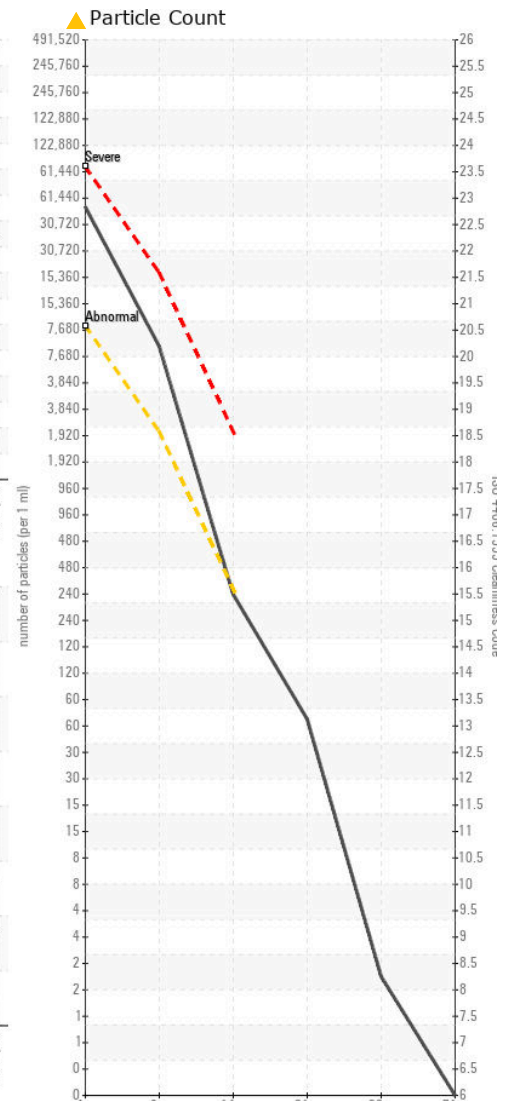
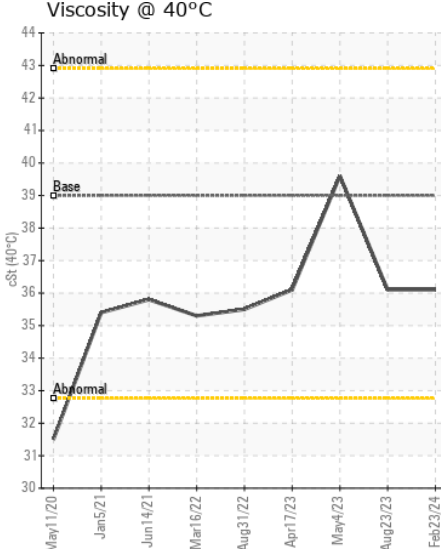
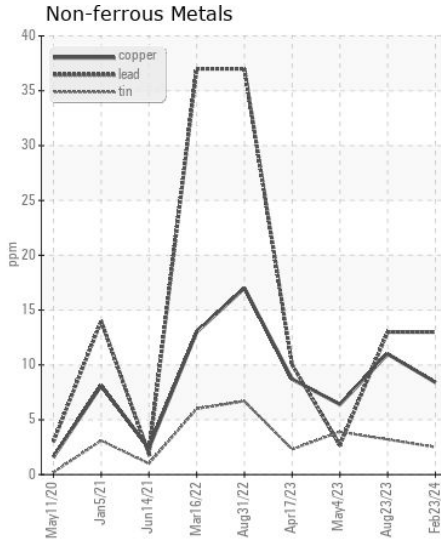
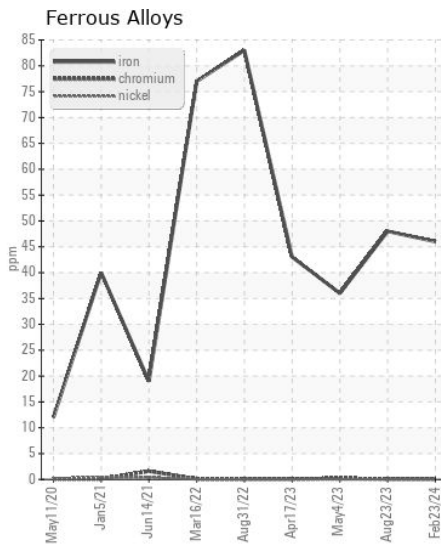
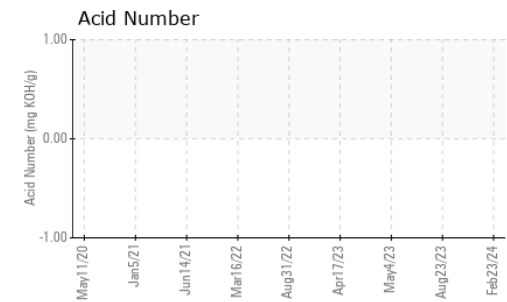
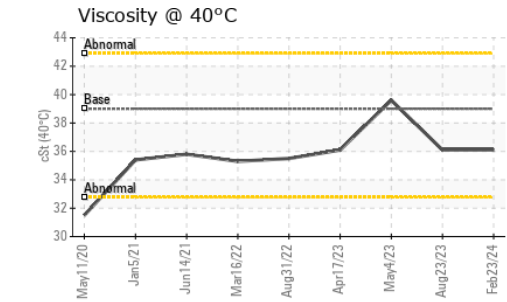
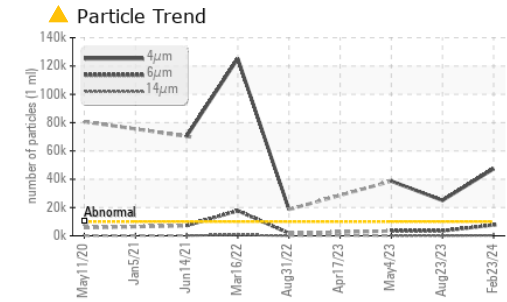
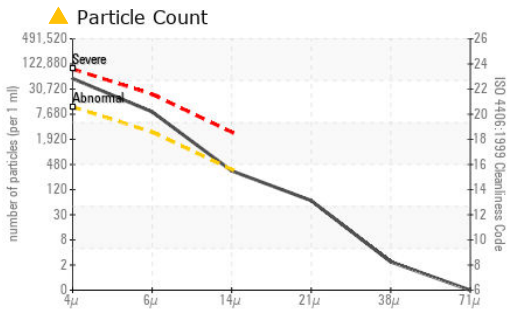
There is a high amount of silt (particulates < 14 microns in size) present in the fluid.

Silicon	ppm	ASTM D5185m	>20	3	4	3
Potassium	ppm	ASTM D5185m	>20	0	2	3
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 47337	▲ 25015	▲ 38673
Particles >6µm		ASTM D7647	>2500	▲ 7621	● 3444	● 3359
Particles >14µm		ASTM D7647	>320	297	135	67
Particles >21µm		ASTM D7647	>80	58	34	14
Particles >38µm		ASTM D7647	>20	2	1	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 23/20/15	▲ 22/19/14	▲ 22/19/13
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	2	5
Boron	ppm	ASTM D5185m		118	124	98
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m		7	7	<1
Calcium	ppm	ASTM D5185m		61	48	65
Phosphorus	ppm	ASTM D5185m		297	272	274
Zinc	ppm	ASTM D5185m		15	16	0
Sulfur	ppm	ASTM D5185m		1061	1277	1959
Visc @ 40°C	cSt	ASTM D445	39	36.1	36.1	39.6



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0902911 **Received** : 27 Feb 2024
Lab Number : 06101501 **Tested** : 29 Feb 2024
Unique Number : 10899731 **Diagnosed** : 29 Feb 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: PrtCount)

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Certificate L2367
 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)