



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area

Mobile Fleet

Machine Id

6420 6420

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		WC0861891	WC0809038	WC0716722
Sample Date		Client Info		12 Jan 2024	15 May 2023	23 Sep 2022
Machine Age	hrs	Client Info		13806	12612	11294
Oil Age	hrs	Client Info		1195	2073	403
Filter Age	hrs	Client Info		1195	2073	403
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ATTENTION	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	32	76	59
Chromium	ppm	ASTM D5185m	>2	0	0	0
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	10	20	13
Lead	ppm	ASTM D5185m	>85	4	8	7
Copper	ppm	ASTM D5185m	>90	17	19	16
Tin	ppm	ASTM D5185m	>10	1	3	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

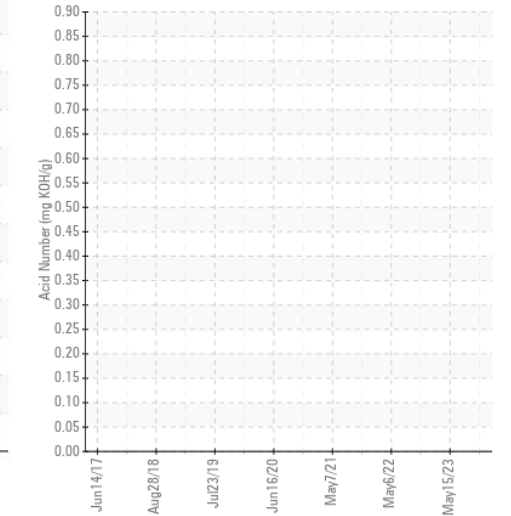
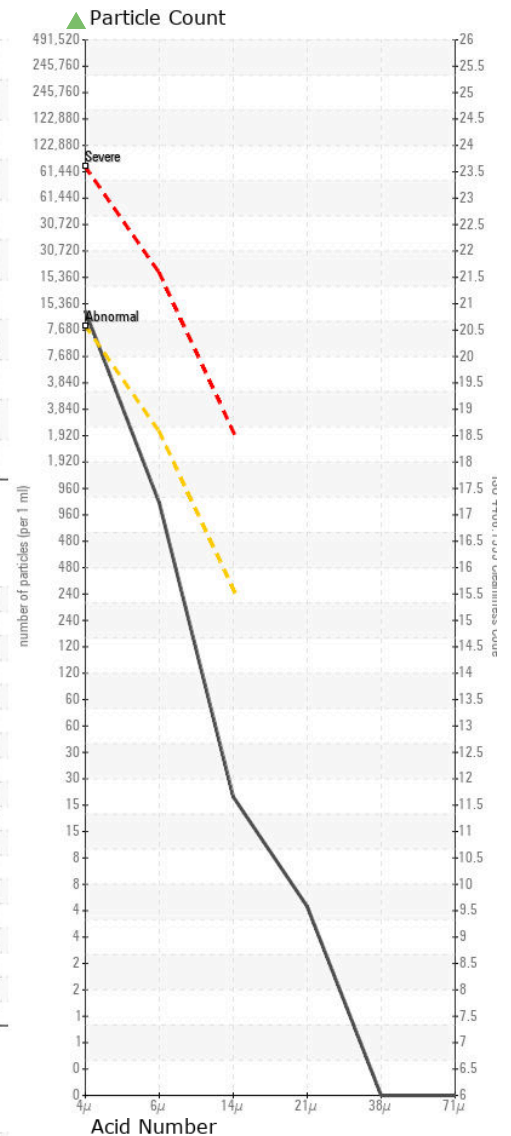
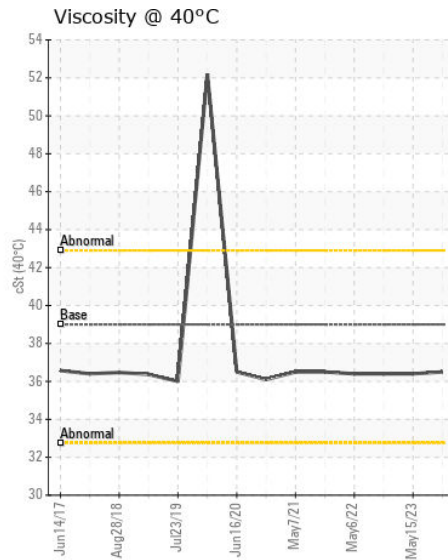
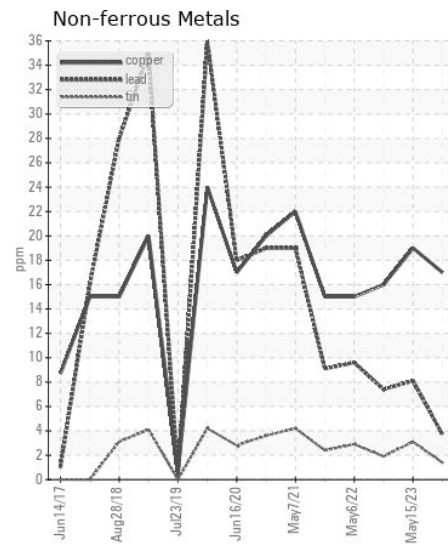
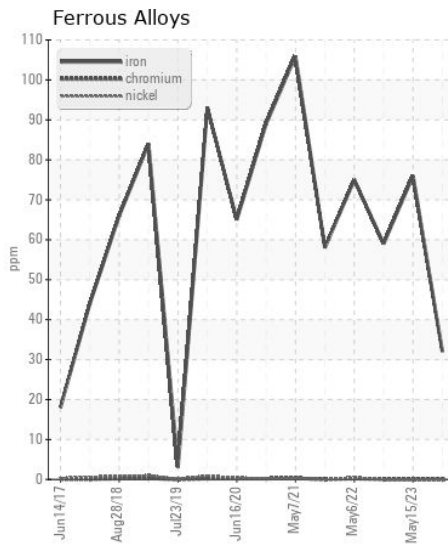
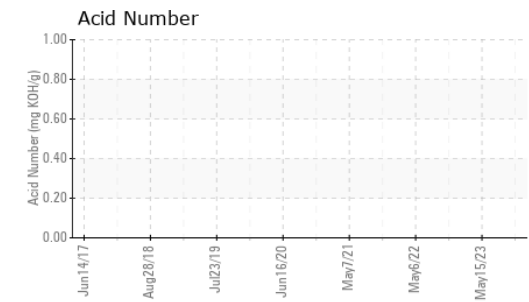
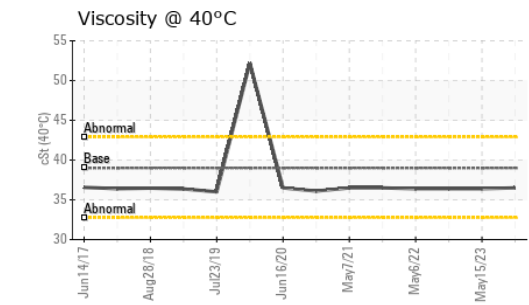
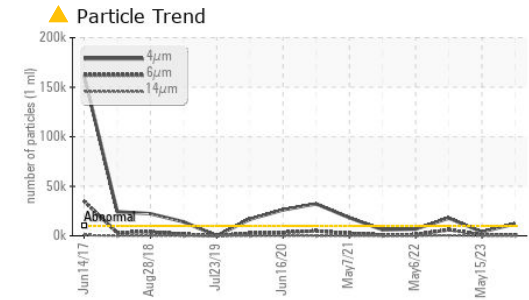
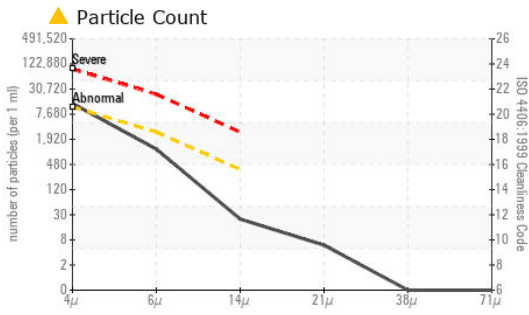
There is a moderate amount of silt (particulates < 14 microns in size) present in the fluid.

Silicon	ppm	ASTM D5185m	>20	2	2	1
Potassium	ppm	ASTM D5185m	>20	<1	0	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 12118	3932	▲ 17858
Particles >6µm		ASTM D7647	>2500	985	957	▲ 6145
Particles >14µm		ASTM D7647	>320	21	48	▲ 484
Particles >21µm		ASTM D7647	>80	5	13	66
Particles >38µm		ASTM D7647	>20	0	0	4
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 21/17/12	19/17/13	▲ 21/20/16
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		2	4	3
Boron	ppm	ASTM D5185m		132	142	114
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		5	<1	0
Calcium	ppm	ASTM D5185m		128	41	39
Phosphorus	ppm	ASTM D5185m		334	302	275
Zinc	ppm	ASTM D5185m		40	0	<1
Sulfur	ppm	ASTM D5185m		1182	1356	1131
Visc @ 40°C	cSt	ASTM D445	39	36.5	36.4	36.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0861891 **Received** : 18 Jan 2024
Lab Number : 06064176 **Diagnosed** : 20 Jan 2024
Unique Number : 10835558 **Diagnostician** : 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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