



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

Mobile Fleet

Machine Id

6450 6450

Component

Transmission (Auto)

Fluid

MOBIL DELVAC SYNTHETIC ATF (8 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Oil and filter 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		WC0861835	WC0852407	WC0764989
Sample Date		Client Info		16 Jan 2024	23 Aug 2023	21 Feb 2023
Machine Age	hrs	Client Info		8253	7379	6219
Oil Age	hrs	Client Info		4107	1160	2037
Filter Age	hrs	Client Info		4107	1160	2037
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	ATTENTION	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	55	48	36
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	21	17	15
Lead	ppm	ASTM D5185m	>85	7	6	5
Copper	ppm	ASTM D5185m	>90	7	7	4
Tin	ppm	ASTM D5185m	>10	3	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

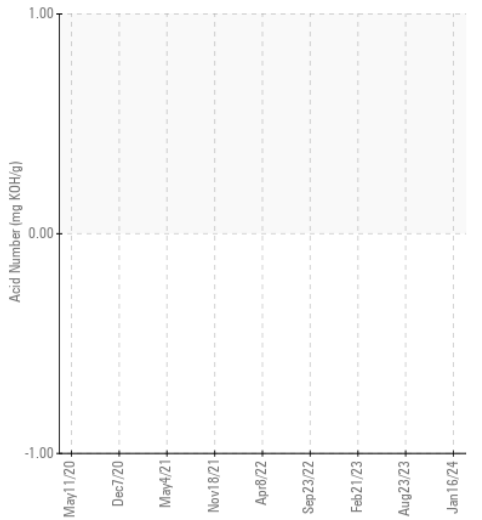
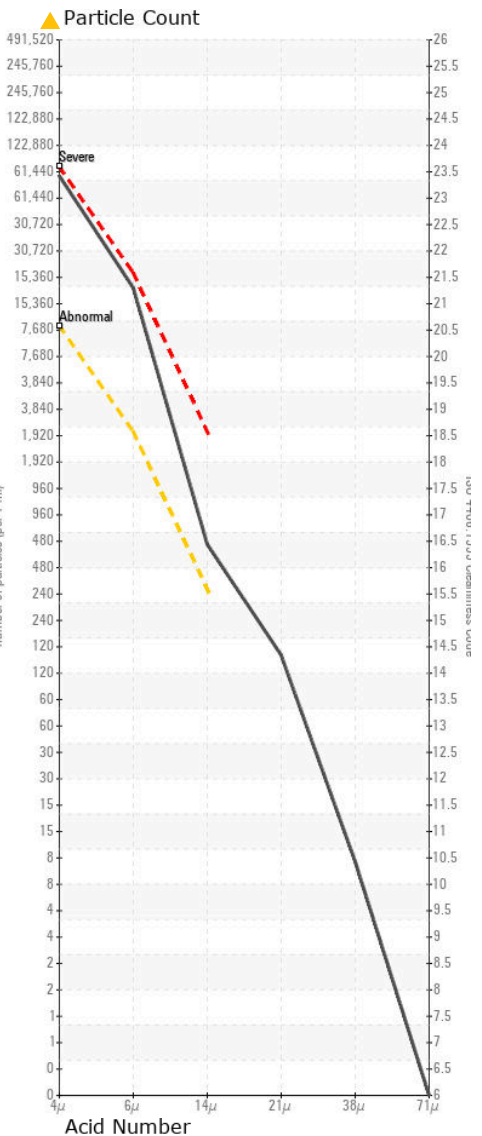
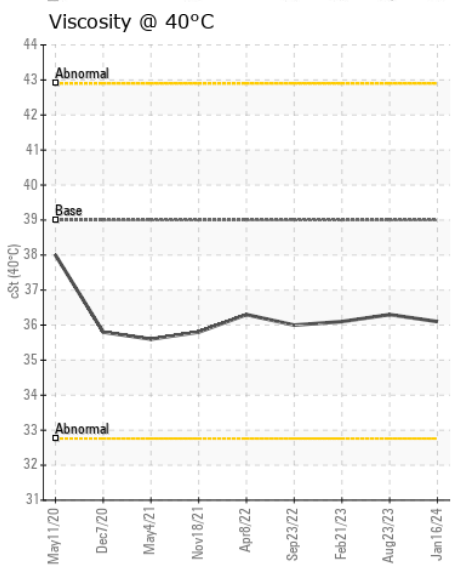
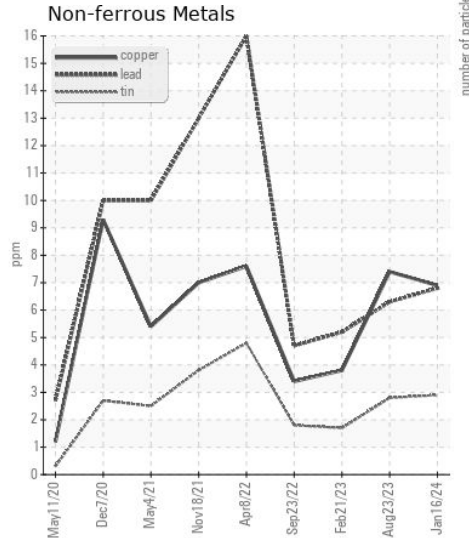
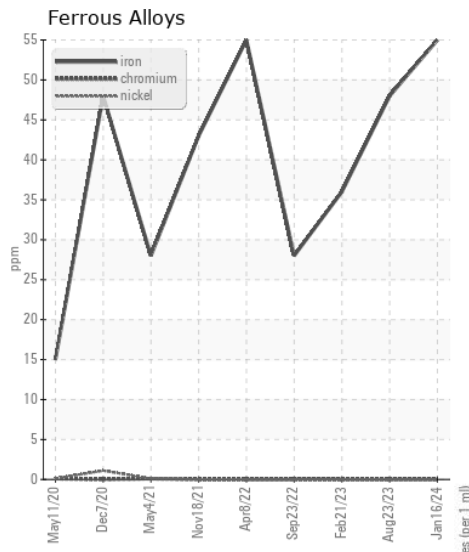
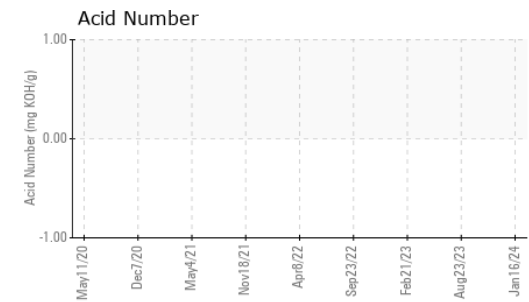
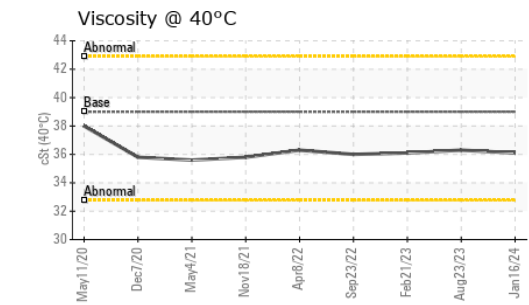
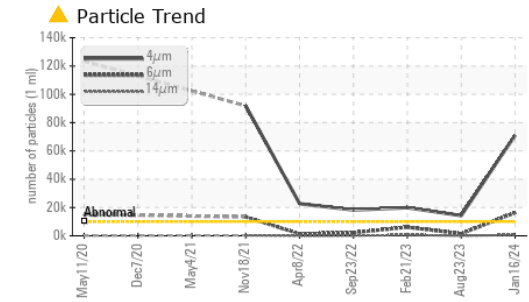
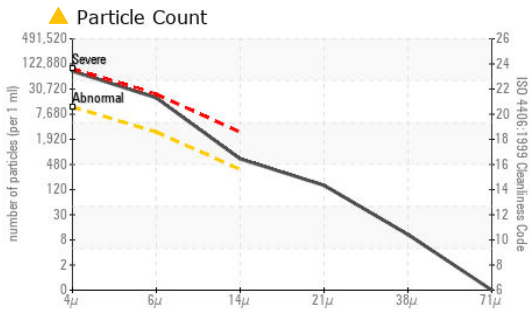
There is a high amount of particulates present in the fluid.

Silicon	ppm	ASTM D5185m	>20	2	3	1
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 71036	▲ 14292	▲ 19887
Particles >6µm		ASTM D7647	>2500	▲ 16415	1504	▲ 6119
Particles >14µm		ASTM D7647	>320	▲ 573	94	▲ 584
Particles >21µm		ASTM D7647	>80	▲ 134	34	▲ 122
Particles >38µm		ASTM D7647	>20	9	1	11
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 23/21/16	▲ 21/18/14	▲ 21/20/16
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
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	1	1
Boron	ppm	ASTM D5185m		124	129	143
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		1	2	3
Calcium	ppm	ASTM D5185m		41	40	52
Phosphorus	ppm	ASTM D5185m		286	274	287
Zinc	ppm	ASTM D5185m		5	9	7
Sulfur	ppm	ASTM D5185m		1221	2176	997
Visc @ 40°C	cSt	ASTM D445	39	36.1	36.3	36.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0861835 **Received** : 19 Jan 2024
Lab Number : 06065491 **Diagnosed** : 23 Jan 2024
Unique Number : 10836873 **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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