



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

Mobile Fleet

Machine Id

8114 8114

Component

Transmission (Auto)

Fluid

MOBIL DELVAC SYNTHETIC ATF (8 GAL)

RECOMMENDATION

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		WC0861939	WC0861731	WC0819032
Sample Date		Client Info		09 Jan 2024	21 Nov 2023	31 May 2023
Machine Age	hrs	Client Info		12243	11997	10765
Oil Age	hrs	Client Info		2762	2516	4531
Filter Age	hrs	Client Info		2762	2516	4531
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	77	77	145
Chromium	ppm	ASTM D5185m	>2	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	<1	1
Titanium	ppm	ASTM D5185m	>3	<1	<1	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>70	16	15	37
Lead	ppm	ASTM D5185m	>85	4	4	8
Copper	ppm	ASTM D5185m	>90	14	15	13
Tin	ppm	ASTM D5185m	>10	1	1	2
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

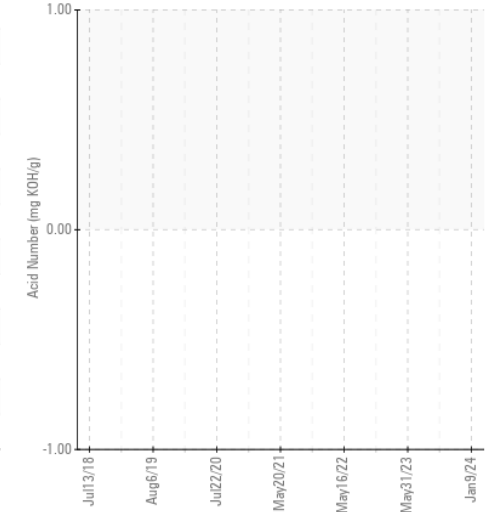
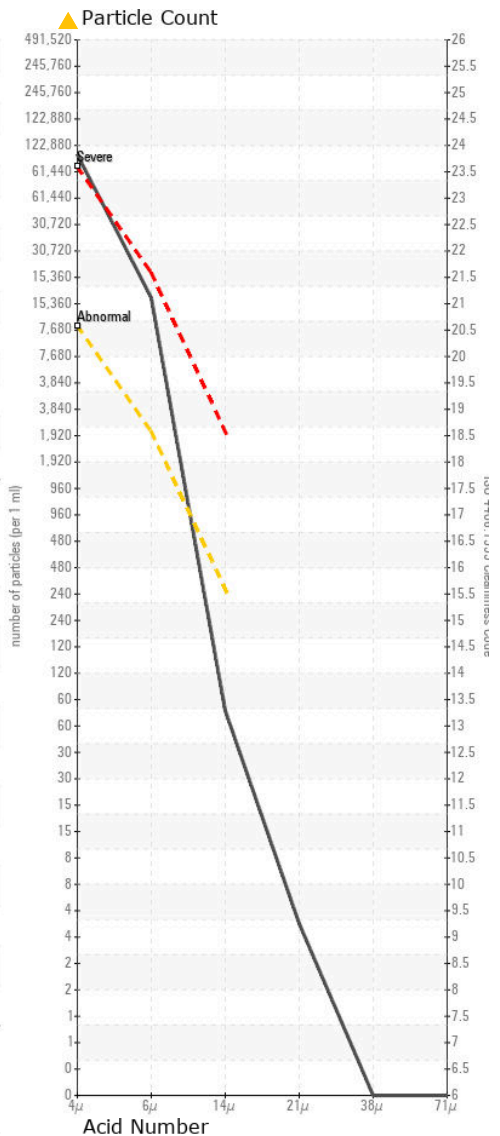
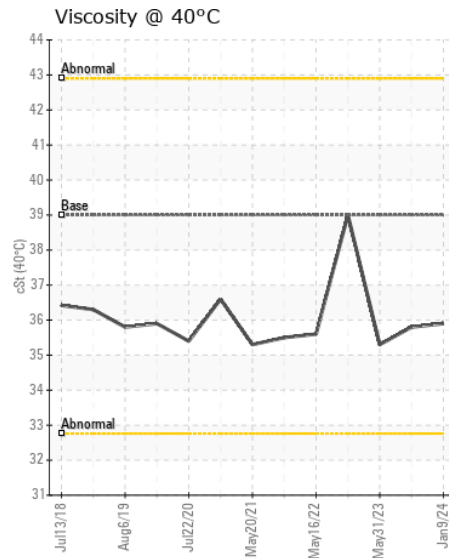
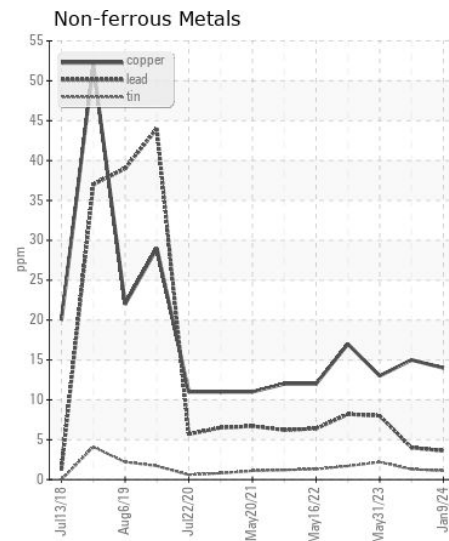
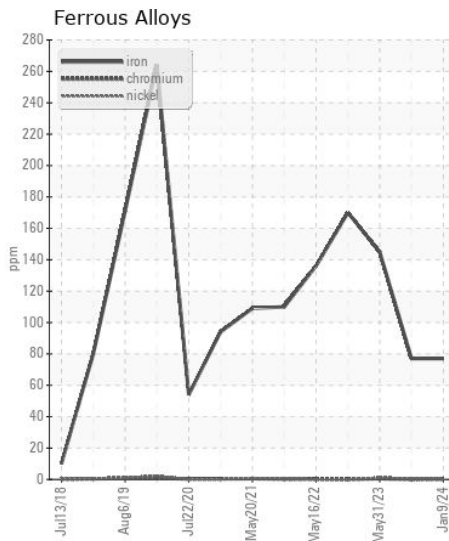
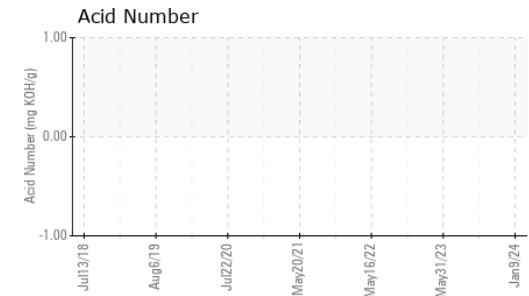
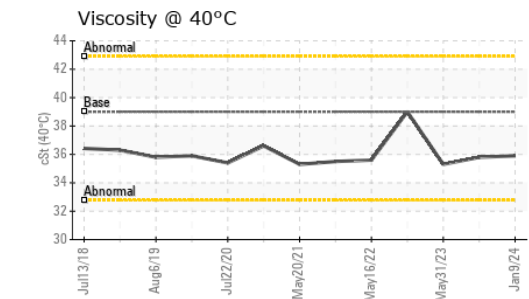
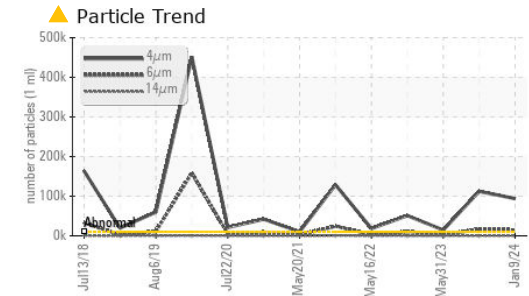
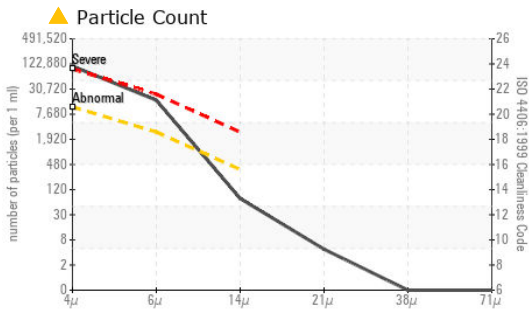
There is a high amount of silt (particulates < 14 microns in size) present in the fluid.

Silicon	ppm	ASTM D5185m	>20	5	4	4
Potassium	ppm	ASTM D5185m	>20	2	3	3
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 93886	▲ 112202	▲ 14588
Particles >6µm		ASTM D7647	>2500	▲ 14414	▲ 16295	▲ 3091
Particles >14µm		ASTM D7647	>320	65	103	39
Particles >21µm		ASTM D7647	>80	4	12	7
Particles >38µm		ASTM D7647	>20	0	1	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 24/21/13	▲ 24/21/14	▲ 21/19/12
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	0	4
Boron	ppm	ASTM D5185m		137	146	121
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	1	2
Magnesium	ppm	ASTM D5185m		2	2	2
Calcium	ppm	ASTM D5185m		63	65	62
Phosphorus	ppm	ASTM D5185m		313	252	308
Zinc	ppm	ASTM D5185m		3	0	6
Sulfur	ppm	ASTM D5185m		1190	1100	803
Visc @ 40°C	cSt	ASTM D445	39	35.9	35.8	35.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0861939 **Received** : 11 Jan 2024
Lab Number : 06057959 **Diagnosed** : 12 Jan 2024
Unique Number : 10829341 **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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