



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area

Mobile Fleet

Machine Id

6410 6410

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		WC0918595	WC0808755	WC0770977
Sample Date		Client Info		19 Mar 2024	31 Jul 2023	10 Mar 2023
Machine Age	hrs	Client Info		19829	18866	18107
Oil Age	hrs	Client Info		1036	2187	1428
Filter Age	hrs	Client Info		1036	2187	1428
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ATTENTION	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	48	43	32
Chromium	ppm	ASTM D5185m	>2	<1	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	16	15	11
Lead	ppm	ASTM D5185m	>85	5	4	4
Copper	ppm	ASTM D5185m	>90	25	19	18
Tin	ppm	ASTM D5185m	>10	2	2	1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

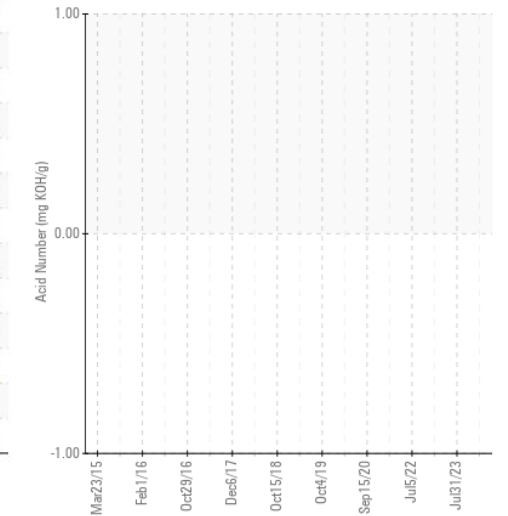
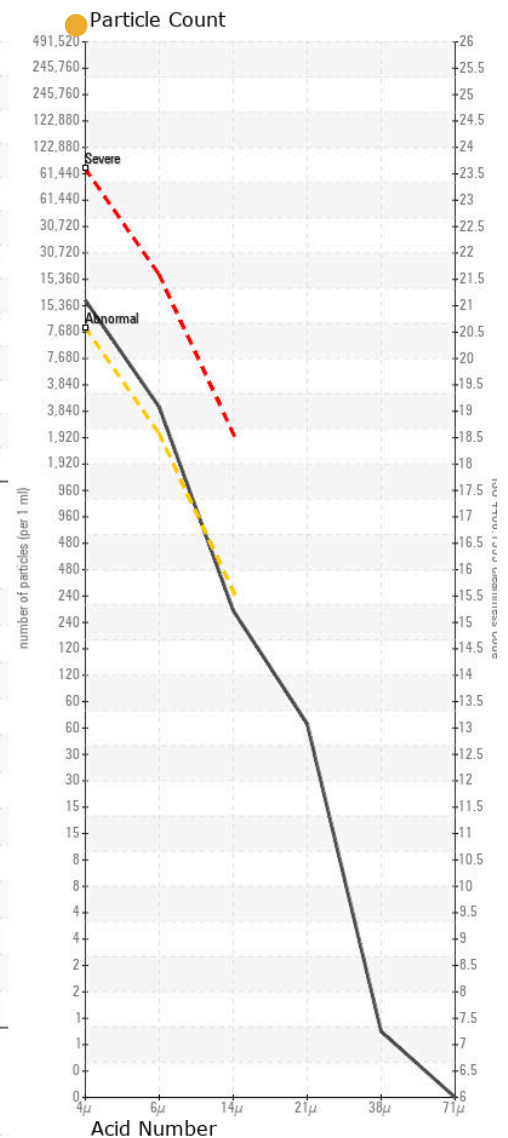
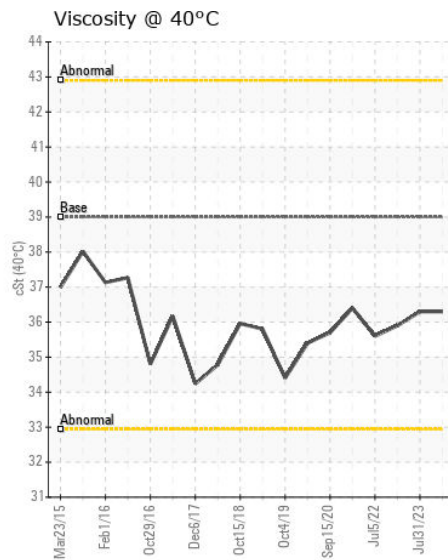
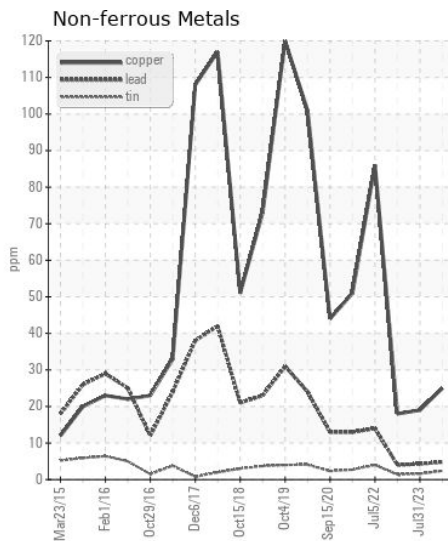
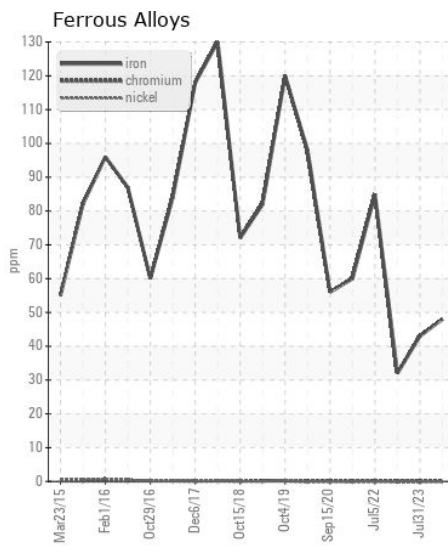
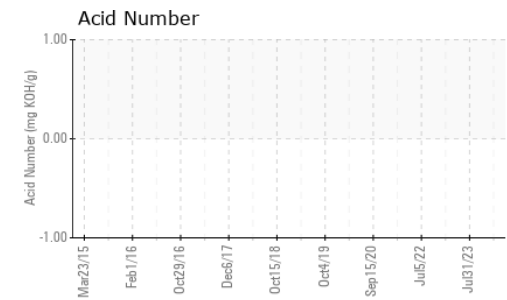
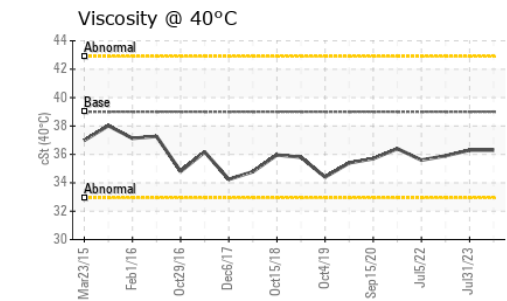
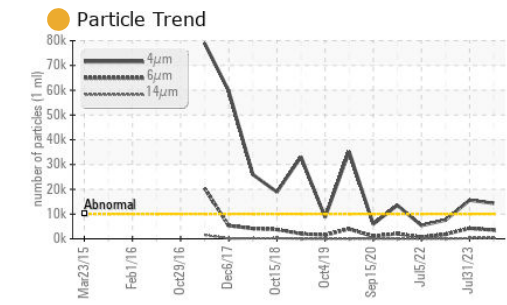
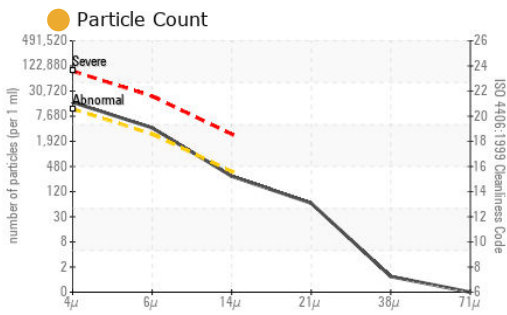
There is a moderate amount of silt (particulates < 14 microns in size) present in the fluid.

Silicon	ppm	ASTM D5185m	>20	2	2	1
Potassium	ppm	ASTM D5185m	>20	0	<1	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	14338	15605	7582
Particles >6µm		ASTM D7647	>2500	3539	4229	1786
Particles >14µm		ASTM D7647	>320	247	249	81
Particles >21µm		ASTM D7647	>80	56	64	12
Particles >38µm		ASTM D7647	>20	1	1	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	21/19/15	21/19/15	20/18/14
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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		5	3	2
Boron	ppm	ASTM D5185m		125	129	118
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		30	36	31
Calcium	ppm	ASTM D5185m		85	86	81
Phosphorus	ppm	ASTM D5185m		354	372	338
Zinc	ppm	ASTM D5185m		60	65	61
Sulfur	ppm	ASTM D5185m		1646	2521	2017
Visc @ 40°C	cSt	ASTM D445	39	36.3	36.3	35.9



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0918595 **Received** : 21 Mar 2024
Lab Number : 06125571 **Tested** : 25 Mar 2024
Unique Number : 10939722 **Diagnosed** : 25 Mar 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PrtCount)

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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)