



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL



Area
Mobile Fleet
Machine Id
5100 5100
Component
Transmission (Auto)
Fluid
MOBIL MOBILTRANS HD 30 (10 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		WC0918676	WC0861598	WC0808778
Sample Date		Client Info		18 Apr 2024	05 Jan 2024	23 Sep 2023
Machine Age	hrs	Client Info		12788	12204	11661
Oil Age	hrs	Client Info		2419	1835	1200
Filter Age	hrs	Client Info		2419	1835	1200
Oil Changed		Client Info		Changed	Not Chngd	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	5	19	8
Chromium	ppm	ASTM D5185m	>5	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>5	<1	0	0
Aluminum	ppm	ASTM D5185m	>50	3	6	<1
Lead	ppm	ASTM D5185m	>50	<1	<1	<1
Copper	ppm	ASTM D5185m	>225	7	9	11
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

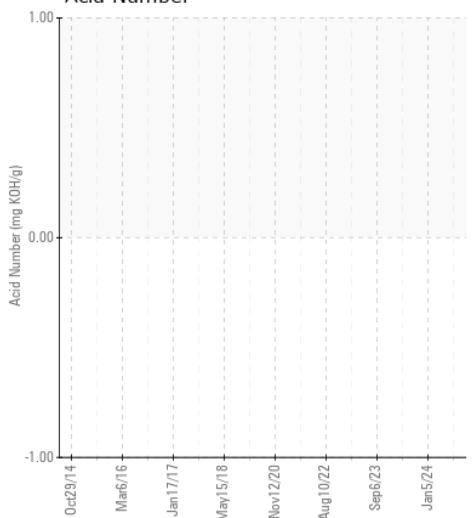
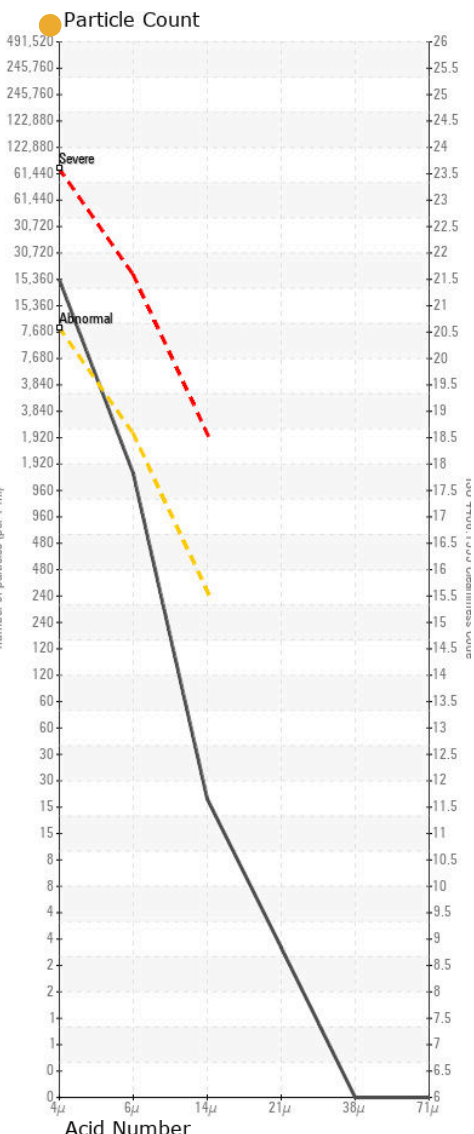
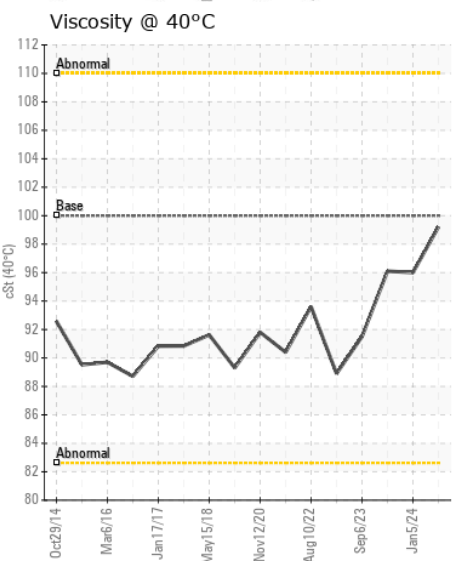
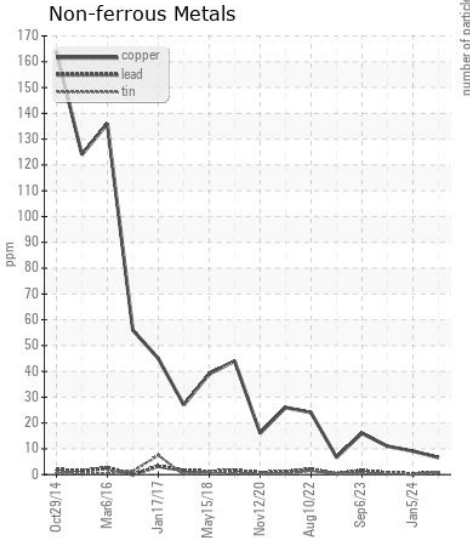
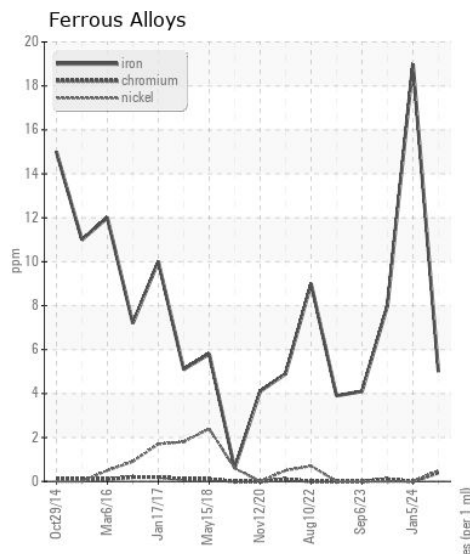
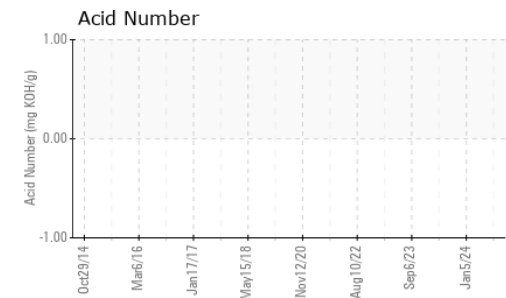
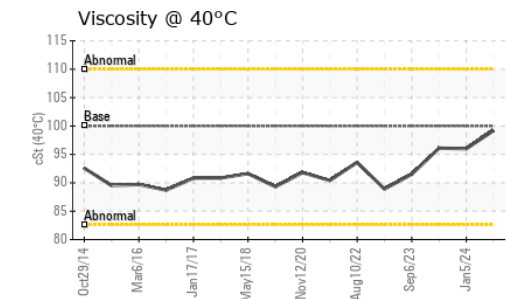
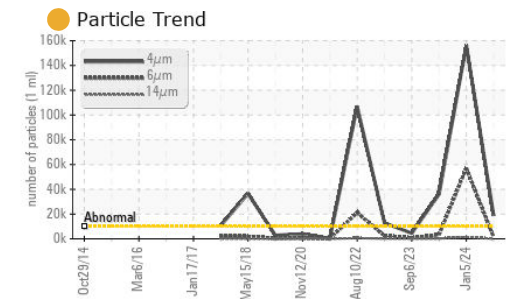
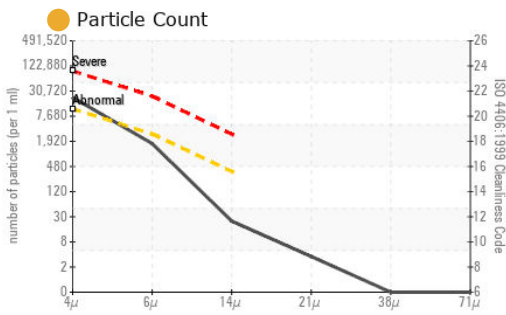
There is a moderate amount of silt (particulates < 6 microns in size) present in the fluid.

Silicon	ppm	ASTM D5185m	>20	6	▲ 23	5
Potassium	ppm	ASTM D5185m	>20	3	4	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	● 18769	▲ 156113	▲ 36048
Particles >6µm		ASTM D7647	>2500	1486	▲ 56948	● 3231
Particles >14µm		ASTM D7647	>320	21	▲ 1465	159
Particles >21µm		ASTM D7647	>80	3	▲ 284	51
Particles >38µm		ASTM D7647	>20	0	7	4
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	● 21/18/12	▲ 24/23/18	▲ 22/19/14
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	5	4
Boron	ppm	ASTM D5185m		1	12	8
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	1	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		17	23	24
Calcium	ppm	ASTM D5185m		3357	3040	3060
Phosphorus	ppm	ASTM D5185m		999	1126	1025
Zinc	ppm	ASTM D5185m		1131	1183	1233
Sulfur	ppm	ASTM D5185m		11139	8839	8876
Visc @ 40°C	cSt	ASTM D445	100	99.2	96.0	96.1



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0918676
Lab Number : 06156839
Unique Number : 10992262
Test Package : CONST (Additional Tests: PrtCount)
Received : 22 Apr 2024
Tested : 24 Apr 2024
Diagnosed : 24 Apr 2024 - Jonathan Hester

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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)