



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Mobile Fleet
Machine Id
5100 5100
Component
Rear Right Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (1 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0919126	WC0852348	WC0613190
Sample Date		Client Info		18 Apr 2024	06 Sep 2023	28 Aug 2021
Machine Age	hrs	Client Info		12788	11569	9279
Oil Age	hrs	Client Info		2419	1200	1055
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	43	32	41
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	<1
Titanium	ppm	ASTM D5185m	>15	1	<1	<1
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>75	5	4	0
Lead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>75	6	4	5
Tin	ppm	ASTM D5185m	>8	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

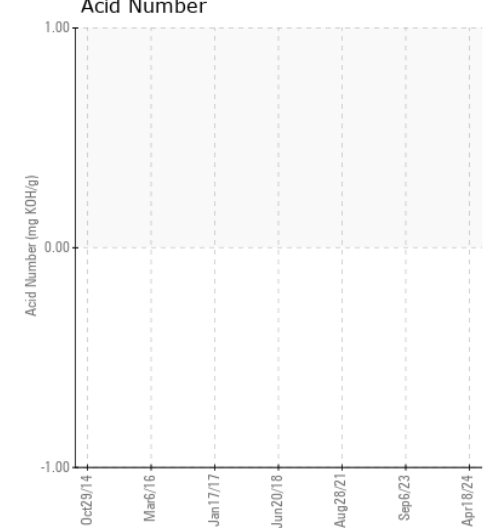
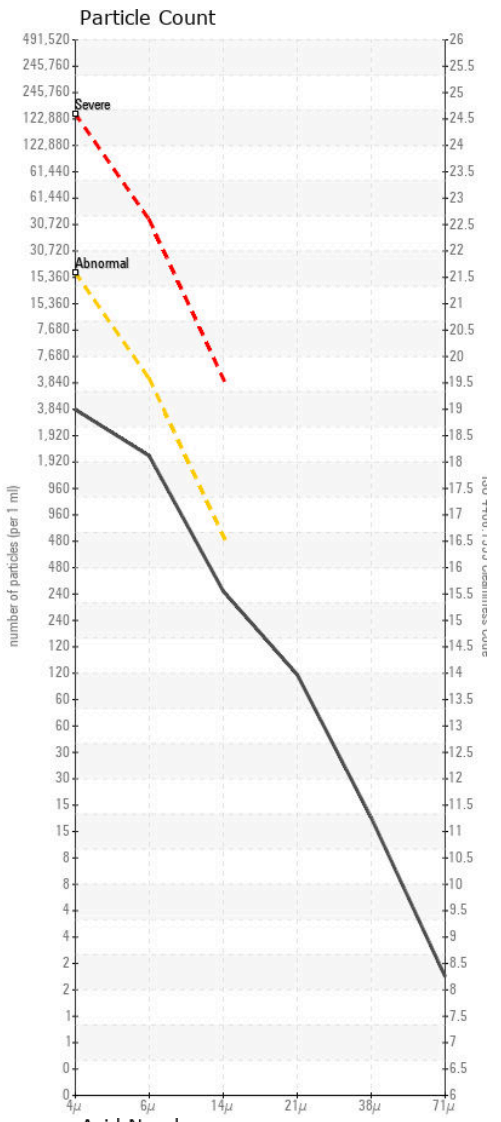
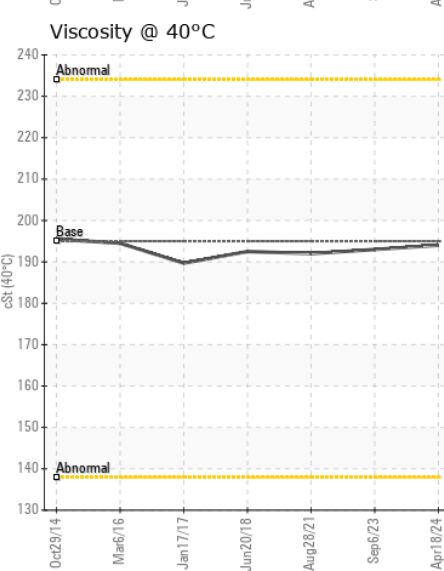
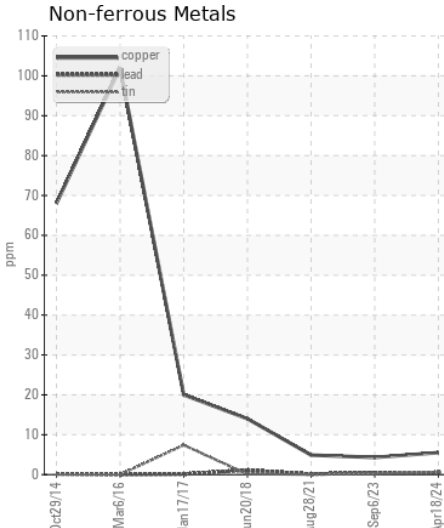
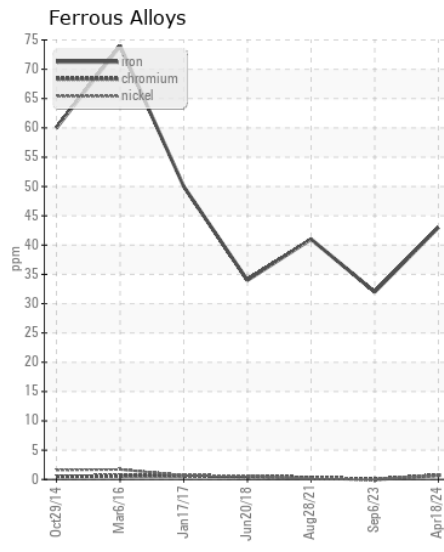
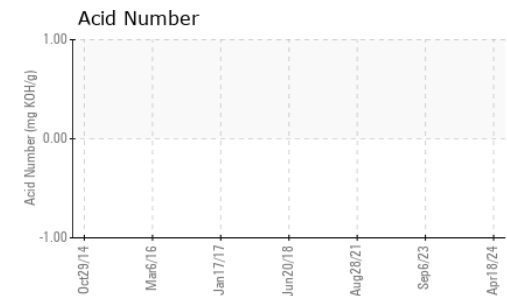
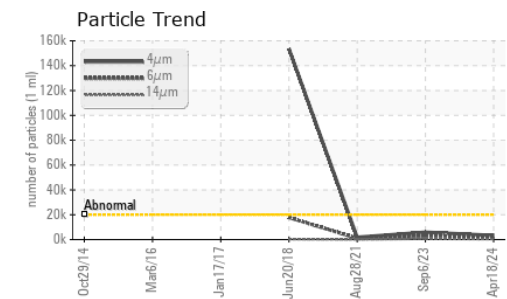
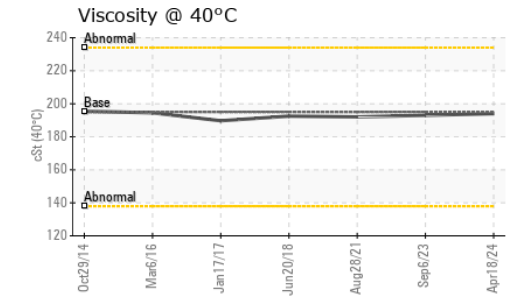
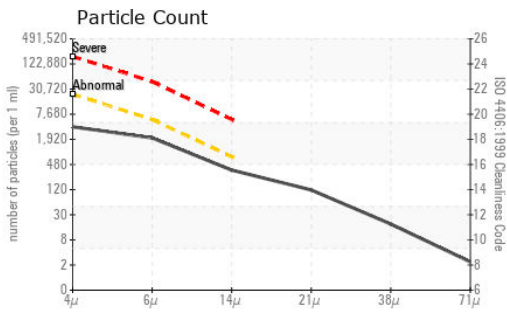
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>400	36	29	34
Potassium	ppm	ASTM D5185m	>20	3	0	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	3341	5968	1879
Particles >6µm		ASTM D7647	>5000	1820	3251	1024
Particles >14µm		ASTM D7647	>640	310	553	174
Particles >21µm		ASTM D7647	>160	104	186	59
Particles >38µm		ASTM D7647	>40	16	29	9
Particles >71µm		ASTM D7647	>10	2	3	1
Oil Cleanliness		ISO 4406 (c)	>21/19/16	19/18/15	20/19/16	18/17/15
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	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	1	0
Boron	ppm	ASTM D5185m		2	2	12
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	1	2
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		20	20	16
Calcium	ppm	ASTM D5185m		3594	3887	4048
Phosphorus	ppm	ASTM D5185m		974	948	973
Zinc	ppm	ASTM D5185m		1113	1188	1141
Sulfur	ppm	ASTM D5185m		13247	14292	7913
Visc @ 40°C	cSt	ASTM D445	195	194	193	192



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0919126 **Received** : 22 Apr 2024
Lab Number : 06156828 **Tested** : 24 Apr 2024
Unique Number : 10992251 **Diagnosed** : 24 Apr 2024 - Jonathan Hester
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)