



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
Mobile Fleet
Machine Id
348 348
Component
Rear Right Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (10 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		WC0861699	WC0771058	WC0784711
Sample Date		Client Info		06 Apr 2024	07 Jul 2023	28 Feb 2023
Machine Age	hrs	Client Info		31991	30782	30158
Oil Age	hrs	Client Info		1209	2188	1564
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	89	80	58
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m	>15	1	<1	<1
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>75	3	4	2
Lead	ppm	ASTM D5185m	>10	<1	<1	0
Copper	ppm	ASTM D5185m	>75	9	17	13
Tin	ppm	ASTM D5185m	>8	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

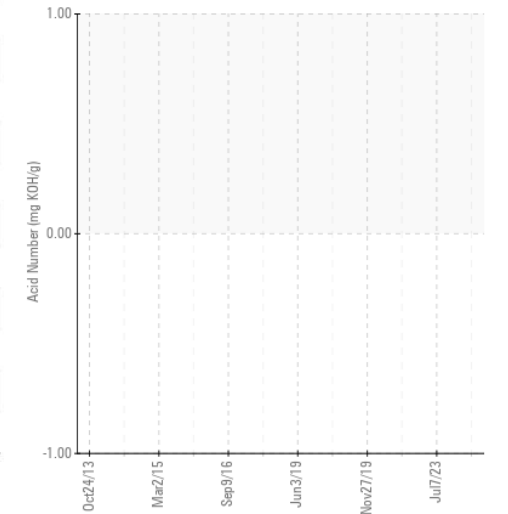
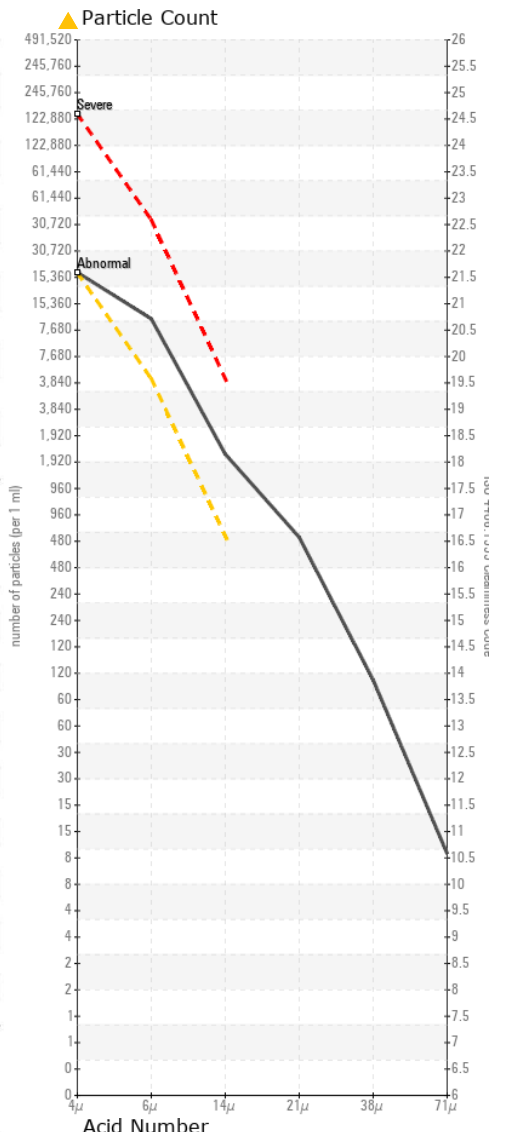
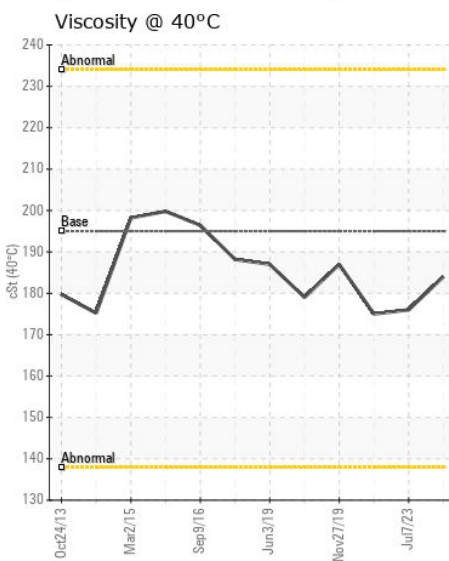
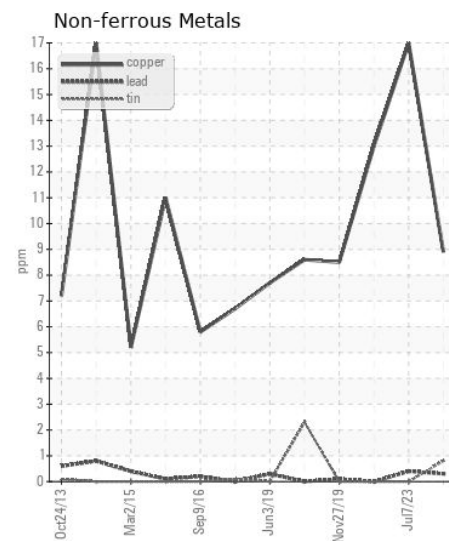
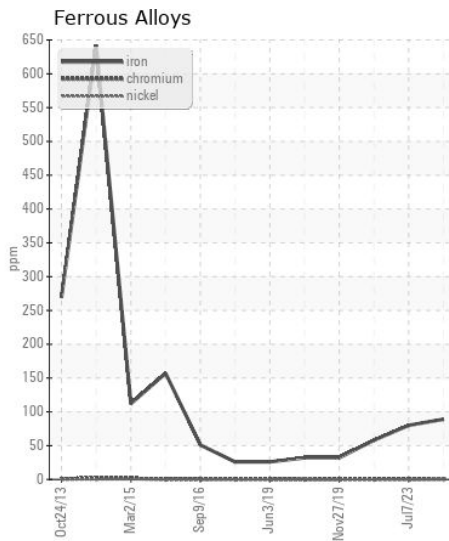
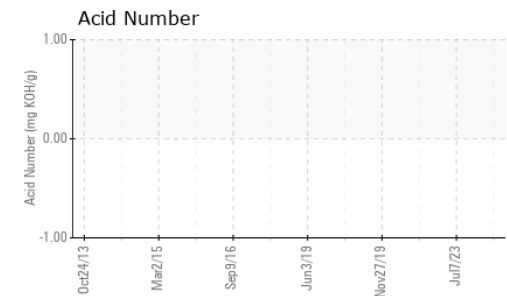
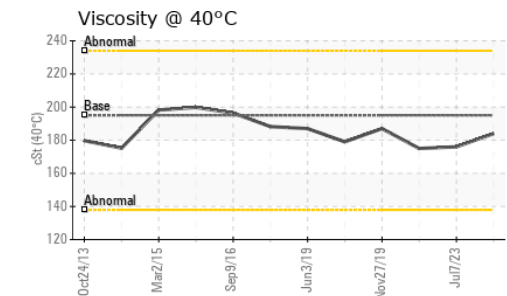
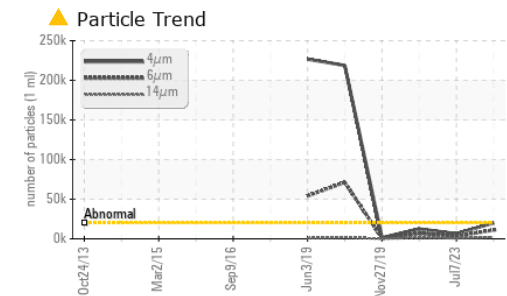
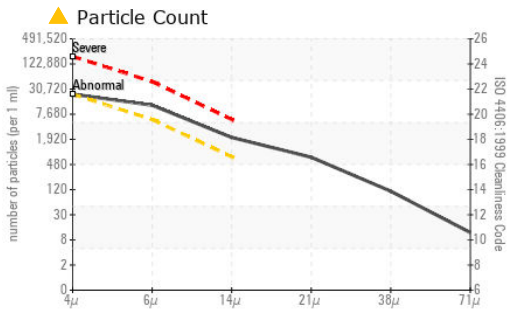
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>400	12	10	8
Potassium	ppm	ASTM D5185m	>20	2	2	0
Water		WC Method	>0.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	▲ 20096	6394	12467
Particles >6µm		ASTM D7647	>5000	▲ 10948	3483	6791
Particles >14µm		ASTM D7647	>640	▲ 1863	593	1156
Particles >21µm		ASTM D7647	>160	▲ 628	200	389
Particles >38µm		ASTM D7647	>40	▲ 97	31	60
Particles >71µm		ASTM D7647	>10	10	3	6
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ 22/21/18	20/19/16	21/20/17
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	0	5
Boron	ppm	ASTM D5185m		2	13	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		3	9	5
Manganese	ppm	ASTM D5185m		2	1	<1
Magnesium	ppm	ASTM D5185m		26	25	28
Calcium	ppm	ASTM D5185m		3245	3166	3119
Phosphorus	ppm	ASTM D5185m		988	986	907
Zinc	ppm	ASTM D5185m		1090	1134	1090
Sulfur	ppm	ASTM D5185m		13216	12917	12296
Visc @ 40°C	cSt	ASTM D445	195	184	176	175



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0861699 **Received** : 22 Apr 2024
Lab Number : 06156815 **Tested** : 24 Apr 2024
Unique Number : 10992238 **Diagnosed** : 24 Apr 2024 - Jonathan Hester
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)

CAROLINA SUNROCK

PO BOX 25
 BUTNER, NC
 US 27509

Contact: Leigh Dennis
 rdennis@thesunrockgroup.com

T: (919)575-4505
 F: (919)575-0162