



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
Mobile Fleet
Machine Id
345 345
Component
Transmission (Auto)
Fluid
MOBIL MOBILTRANS HD 30 (13 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		WC0939279	WC0819192	WC0740717
Sample Date		Client Info		16 May 2024	22 Jun 2023	16 Sep 2022
Machine Age	hrs	Client Info		31225	30695	30119
Oil Age	hrs	Client Info		1129	599	770
Filter Age	hrs	Client Info		1129	599	770
Oil Changed		Client Info		Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	11	8	12
Chromium	ppm	ASTM D5185m	>5	0	<1	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	1	1	2
Lead	ppm	ASTM D5185m	>50	4	<1	<1
Copper	ppm	ASTM D5185m	>225	36	23	38
Tin	ppm	ASTM D5185m	>10	2	1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

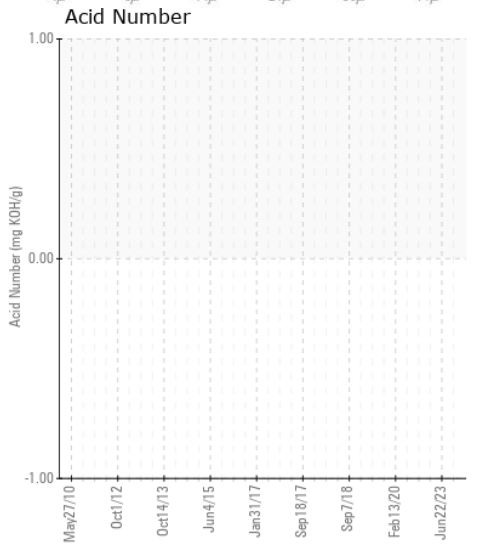
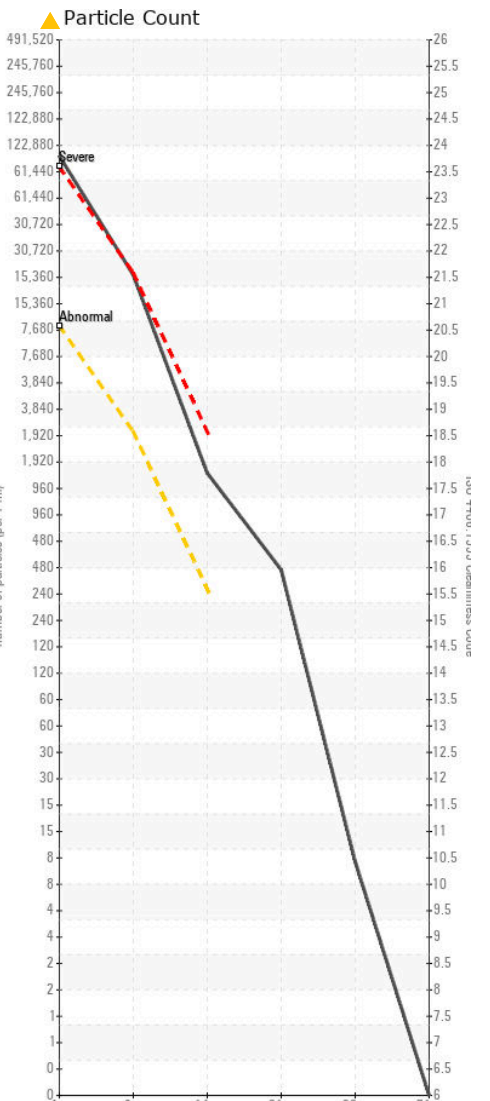
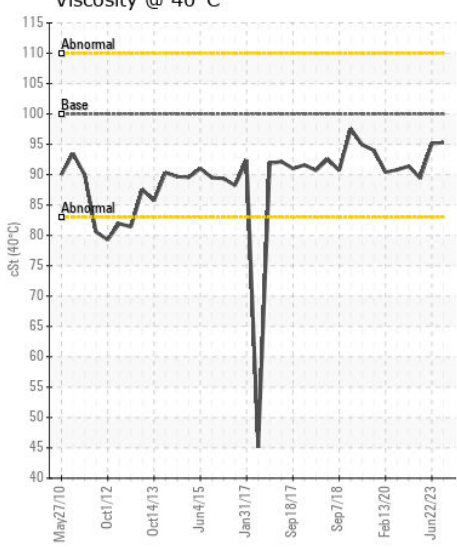
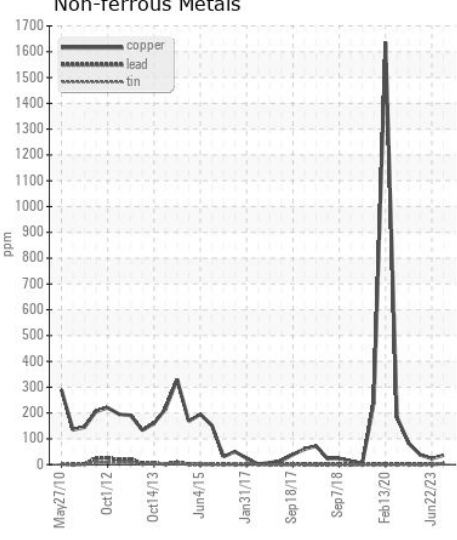
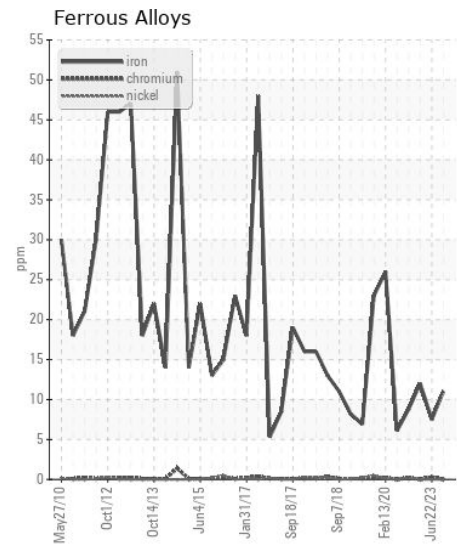
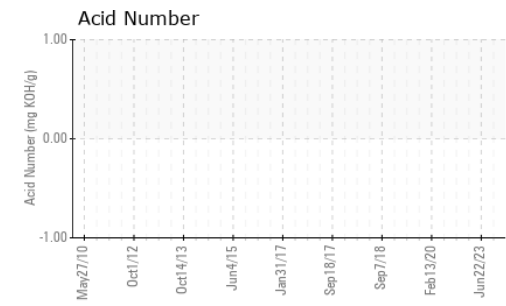
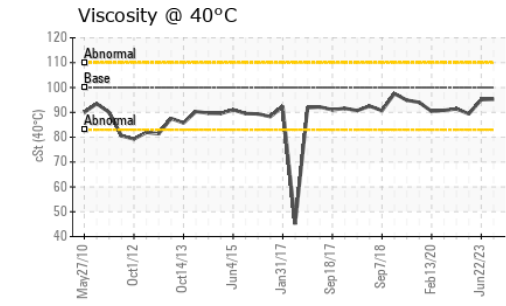
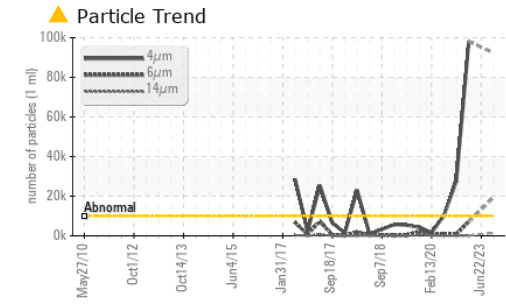
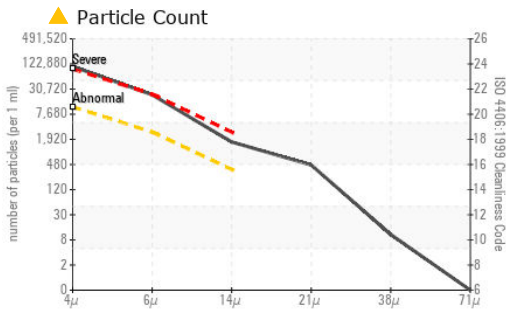
There is a high amount of particulates present in the fluid.

Silicon	ppm	ASTM D5185m	>20	8	8	5
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 92309	---	▲ 98164
Particles >6µm		ASTM D7647	>2500	▲ 19430	---	▲ 7004
Particles >14µm		ASTM D7647	>320	▲ 1455	---	142
Particles >21µm		ASTM D7647	>80	▲ 410	---	43
Particles >38µm		ASTM D7647	>20	9	---	7
Particles >71µm		ASTM D7647	>4	0	---	1
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 24/21/18	---	▲ 24/20/14
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ HEAVY	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		1	1	2
Boron	ppm	ASTM D5185m		3	5	7
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	1	3
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		34	30	38
Calcium	ppm	ASTM D5185m		3449	3342	3082
Phosphorus	ppm	ASTM D5185m		991	949	958
Zinc	ppm	ASTM D5185m		1159	1237	1156
Sulfur	ppm	ASTM D5185m		11654	13049	6867
Visc @ 40°C	cSt	ASTM D445	100	95.3	95.1	89.4



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0939279 **Received** : 21 May 2024
Lab Number : 06186004 **Tested** : 23 May 2024
Unique Number : 11042756 **Diagnosed** : 23 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PrtCount)

CAROLINA SUNROCK
 PO BOX 25
 BUTNER, NC
 US 27509
 Contact: Leigh Dennis
 rdennis@thesunrockgroup.com
 T: (919)575-4505
 F: (919)575-0162

Certificate L2367
 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)