



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area  
**Mobile Fleet**  
Machine Id  
**5009 5009**  
Component  
**Transmission (Auto)**  
Fluid  
**MOBIL MOBILTRANS HD 30 (33 GAL)**

## RECOMMENDATION

No corrective action is recommended at this time. The 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		WC0919096	WC0744828	WC0716717
Sample Date		Client Info		12 Apr 2024	03 Oct 2022	25 Aug 2022
Machine Age	hrs	Client Info		14974	11484	11298
Oil Age	hrs	Client Info		1579	210	548
Filter Age	hrs	Client Info		1579	210	548
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	5	5	6
Chromium	ppm	ASTM D5185m	>5	0	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	<1	<1	3
Aluminum	ppm	ASTM D5185m	>50	<1	2	1
Lead	ppm	ASTM D5185m	>50	18	2	3
Copper	ppm	ASTM D5185m	>225	19	21	35
Tin	ppm	ASTM D5185m	>10	1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

## CONTAMINATION

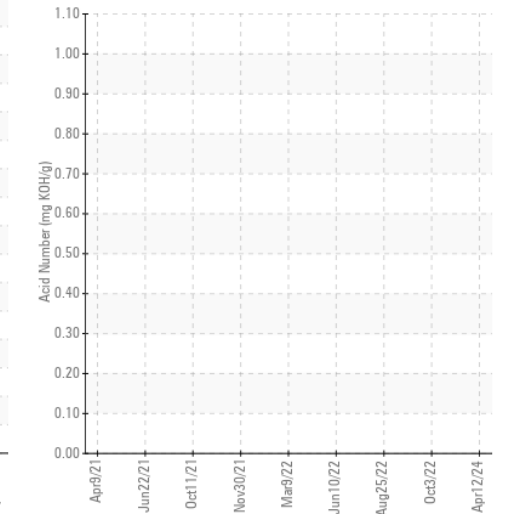
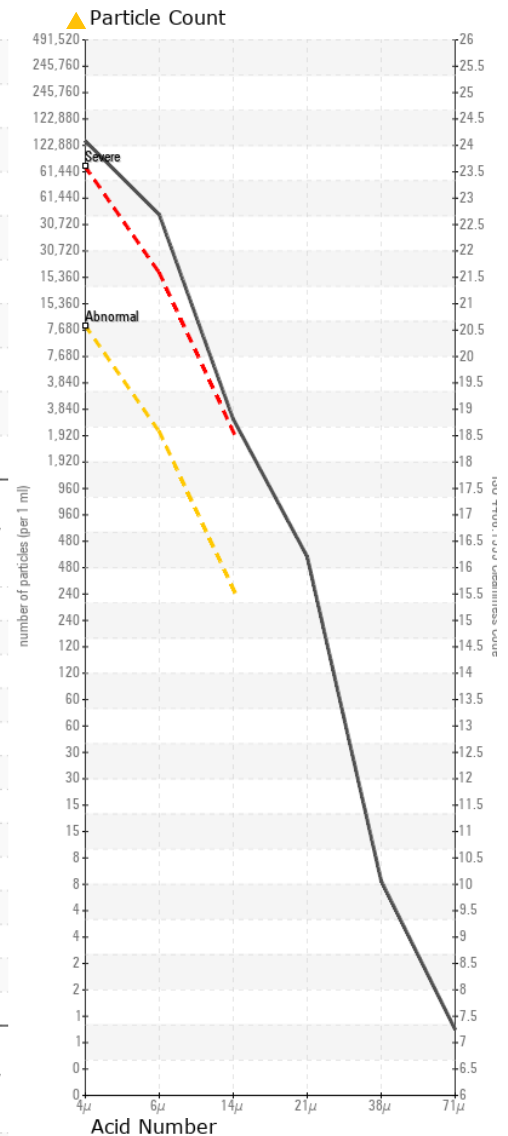
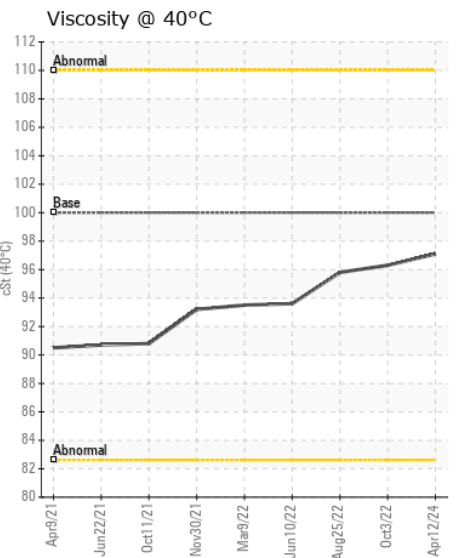
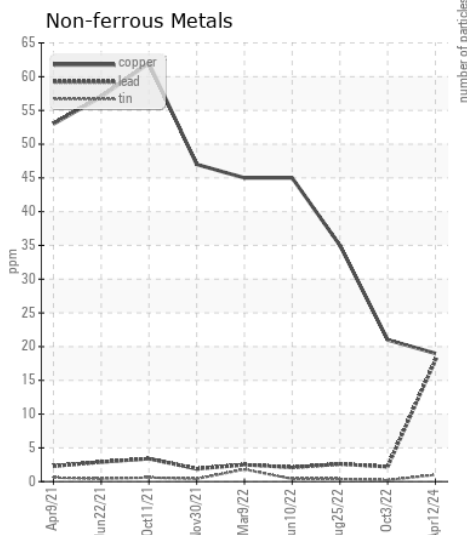
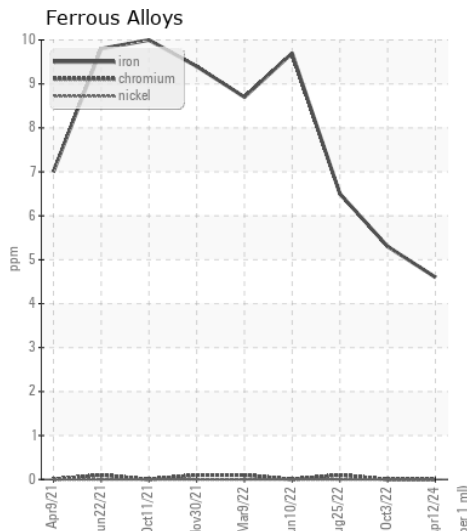
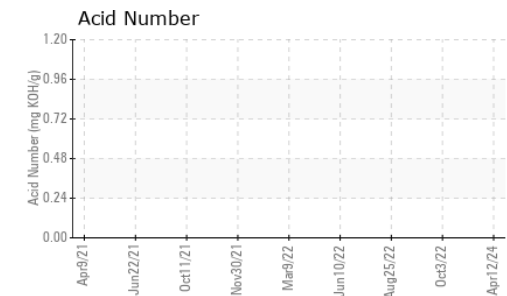
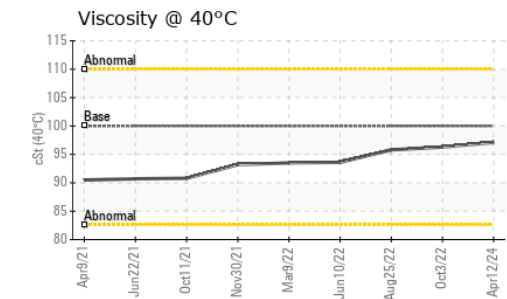
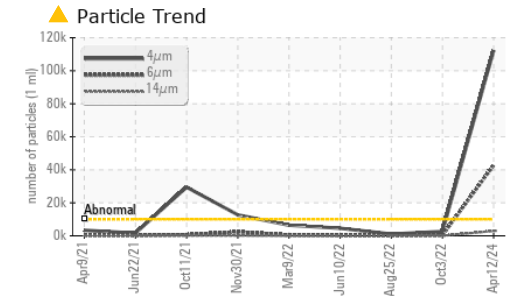
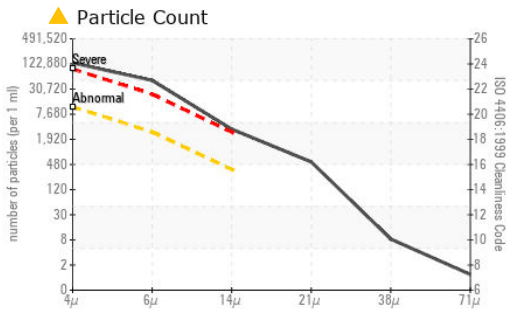
There is a high amount of particulates present in the fluid.

Silicon	ppm	ASTM D5185m	>20	6	7	6
Potassium	ppm	ASTM D5185m	>20	0	1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 112154	2652	1070
Particles >6µm		ASTM D7647	>2500	▲ 42819	359	144
Particles >14µm		ASTM D7647	>320	▲ 2944	32	11
Particles >21µm		ASTM D7647	>80	▲ 487	12	3
Particles >38µm		ASTM D7647	>20	7	2	0
Particles >71µm		ASTM D7647	>4	1	2	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 24/23/19	19/16/12	17/14/11
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		3	0	2
Boron	ppm	ASTM D5185m		4	8	0
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		2	1	2
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		18	32	35
Calcium	ppm	ASTM D5185m		3041	3423	3299
Phosphorus	ppm	ASTM D5185m		742	908	932
Zinc	ppm	ASTM D5185m		868	1101	1125
Sulfur	ppm	ASTM D5185m		10111	11898	9344
Acid Number (AN)	mg KOH/g	ASTM D8045		---	---	1.07
Visc @ 40°C	cSt	ASTM D445	100	97.1	96.3	95.8



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0919096 **Received** : 16 Apr 2024  
**Lab Number** : 06150200 **Tested** : 18 Apr 2024  
**Unique Number** : 10980278 **Diagnosed** : 18 Apr 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)