



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Area
Mobile Fleet
 Machine Id
5502 5502
 Component
Left Final Drive
 Fluid
MOBIL MOBILTRANS HD 30 (3 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is a high amount of particulates present in the oil. High concentration of visible dirt/debris present in the oil.

FLUID CONDITION

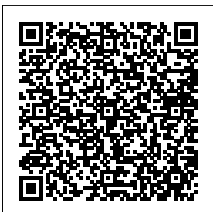
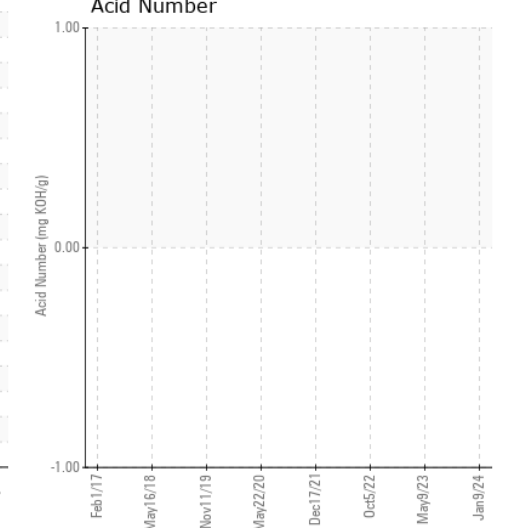
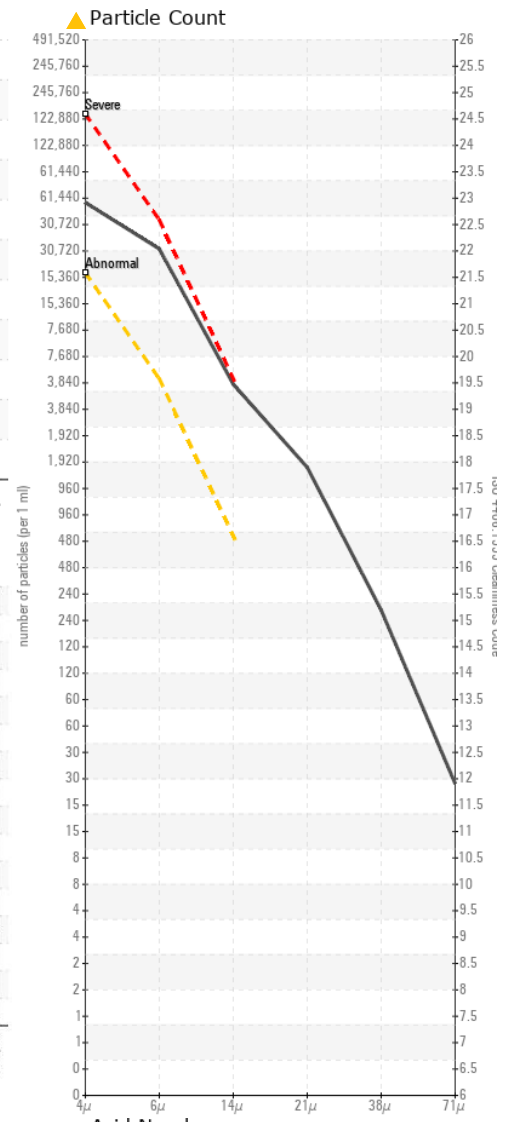
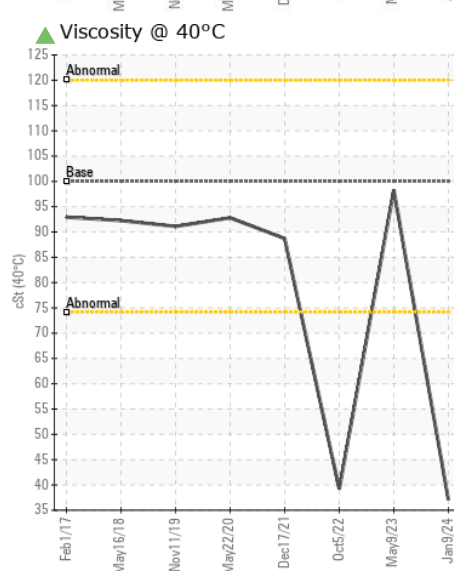
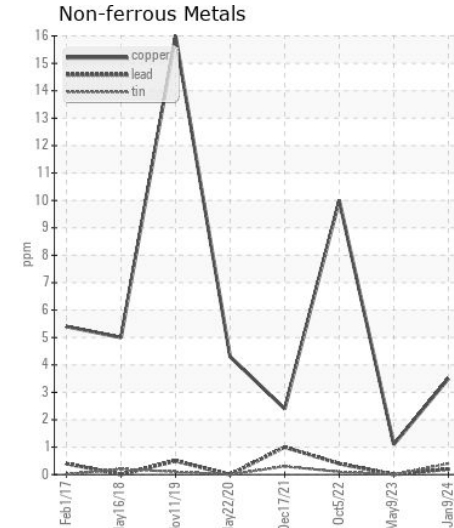
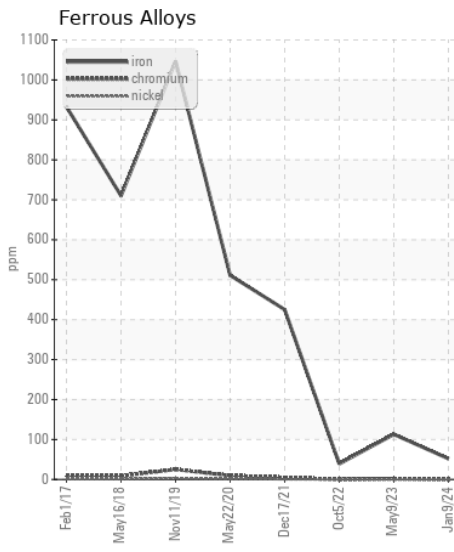
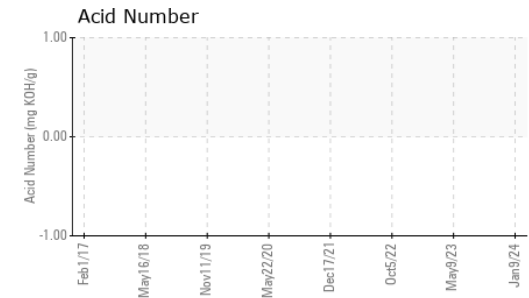
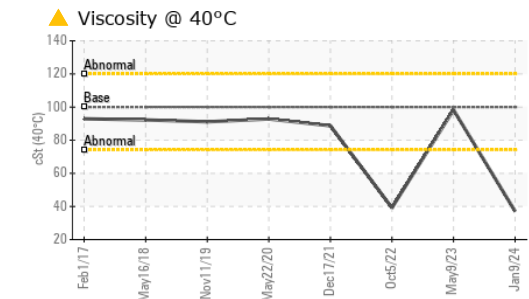
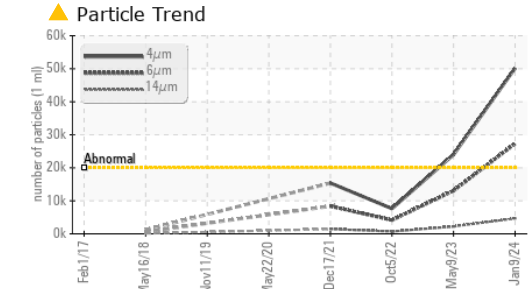
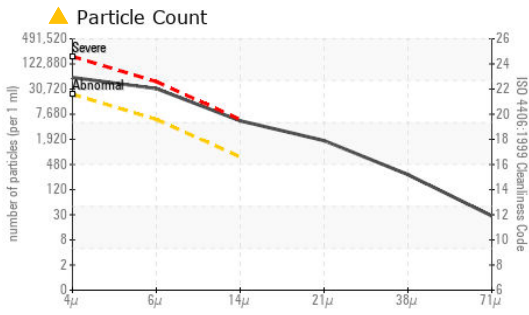
The oil viscosity is lower than normal.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0861942	WC0765084	WC0740782
Sample Date		Client Info		09 Jan 2024	09 May 2023	05 Oct 2022
Machine Age	hrs	Client Info		10497	9934	9315
Oil Age	hrs	Client Info		1198	635	2699
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ATTENTION

Iron	ppm	ASTM D5185m	>500	52	113	39
Chromium	ppm	ASTM D5185m	>10	<1	2	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	11	▲ 30	6
Lead	ppm	ASTM D5185m	>25	<1	0	<1
Copper	ppm	ASTM D5185m	>50	4	1	10
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	31	▲ 82	15
Potassium	ppm	ASTM D5185m	>20	2	<1	1
Water		WC Method	>0.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	▲ 50188	▲ 23994	7636
Particles >6µm		ASTM D7647	>5000	▲ 27340	▲ 13071	4160
Particles >14µm		ASTM D7647	>640	▲ 4653	▲ 2224	▲ 708
Particles >21µm		ASTM D7647	>160	▲ 1567	▲ 749	▲ 238
Particles >38µm		ASTM D7647	>40	▲ 242	▲ 116	37
Particles >71µm		ASTM D7647	>10	▲ 25	▲ 12	4
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ 23/22/19	▲ 22/21/18	▲ 20/19/17
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ HEAVY	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

Sodium	ppm	ASTM D5185m		0	4	0
Boron	ppm	ASTM D5185m		3	2	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		3	2	2
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m		679	46	658
Calcium	ppm	ASTM D5185m		124	3456	275
Phosphorus	ppm	ASTM D5185m		1093	919	1125
Zinc	ppm	ASTM D5185m		1277	1114	1279
Sulfur	ppm	ASTM D5185m		7999	12644	7994
Visc @ 40°C	cSt	ASTM D445	100	▲ 37.1	98.3	▲ 39.2



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0861942 **Received** : 11 Jan 2024
Lab Number : 06057956 **Diagnosed** : 12 Jan 2024
Unique Number : 10829338 **Diagnostician** : Don Baldrige
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)

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