



OIL ANALYSIS REPORT



Area
Mobile Fleet
 Machine Id
5502 5502
 Component
Swing Drive
 Fluid
MOBIL MOBILTRANS HD 30 (5 GAL)

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0861944	WC0765083	WC0740802
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		1198	0	0
Oil Changed		Client Info		Not Chngd	Not Chngd	Changed
Filter Changed		Client Info		Not Chngd	Changed	Changed
Sample Status				ABNORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>400	42	44	121
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	2
Lead	ppm	ASTM D5185m	>50	<1	0	<1
Copper	ppm	ASTM D5185m	>200	5	<1	4
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

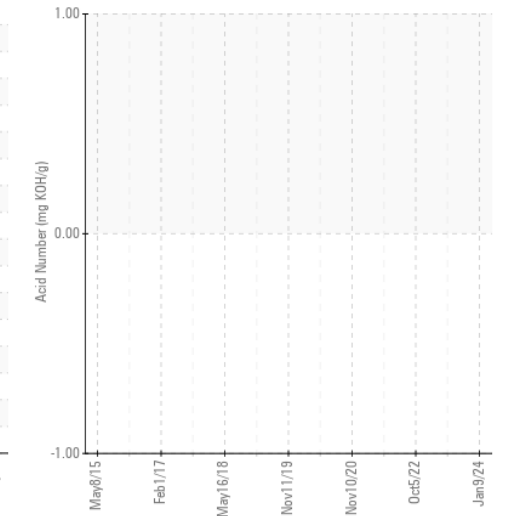
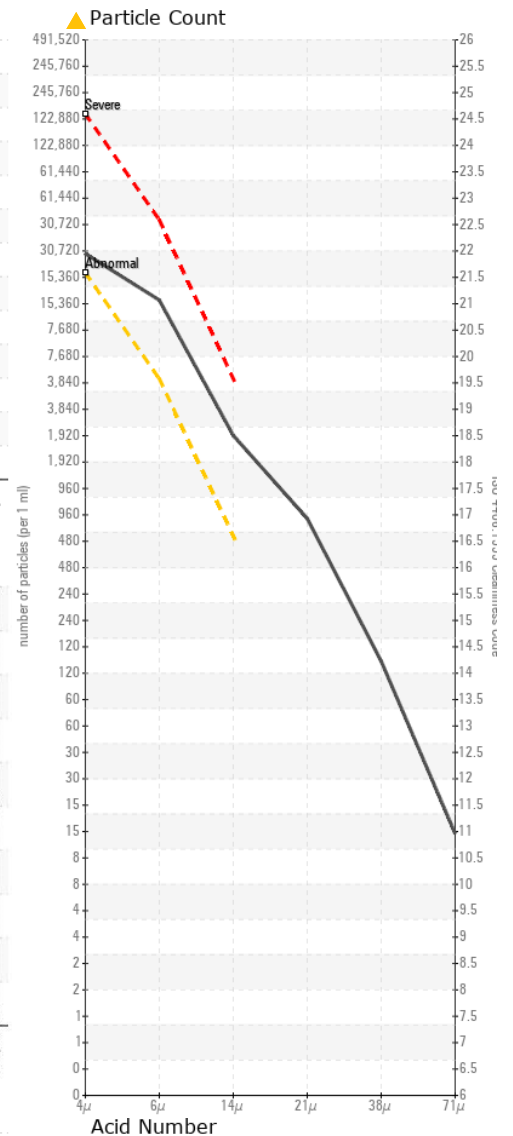
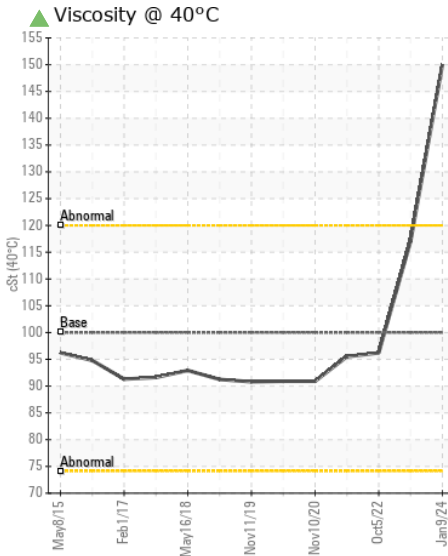
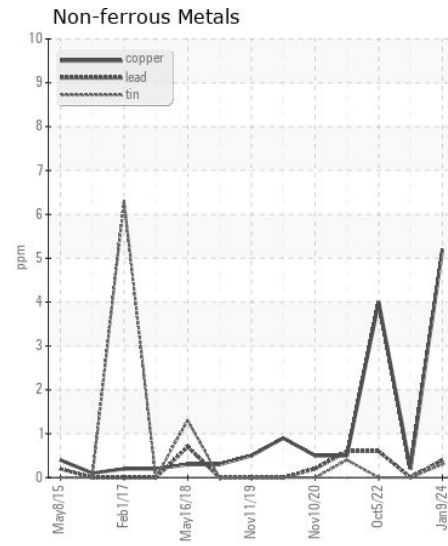
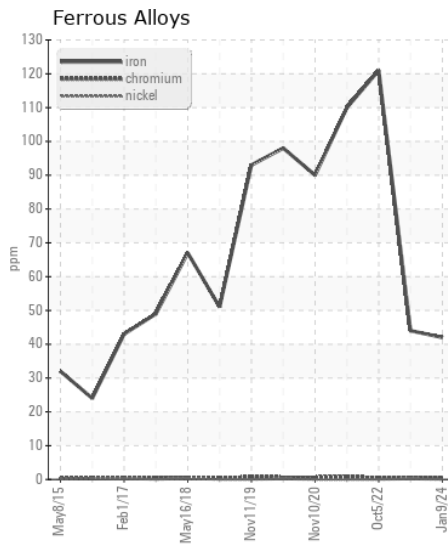
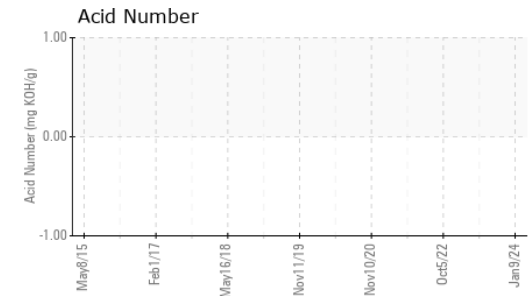
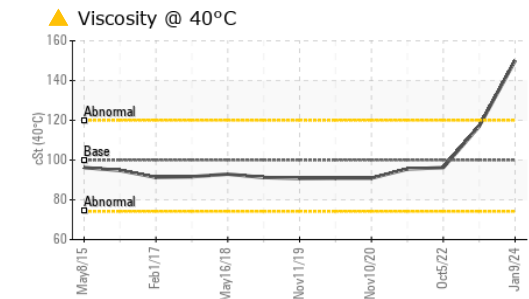
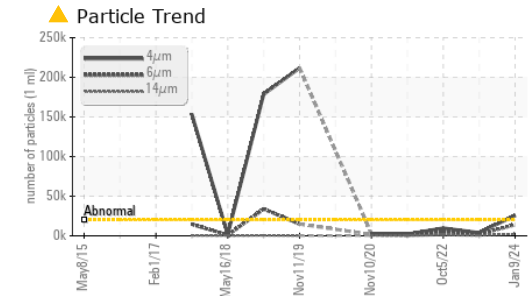
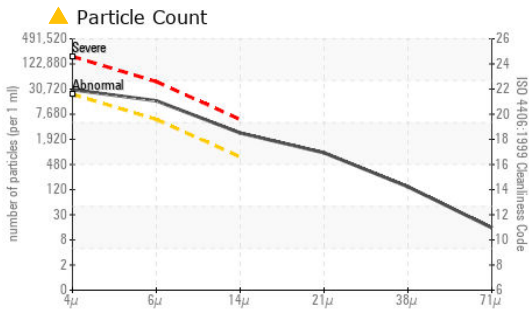
There is a high amount of particulates present in the oil. High concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>50	9	12	11
Potassium	ppm	ASTM D5185m	>20	2	<1	2
Water		WC Method	>0.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	▲ 25681	3837	9783
Particles >6µm		ASTM D7647	>5000	▲ 13990	2090	▲ 5329
Particles >14µm		ASTM D7647	>640	▲ 2381	356	▲ 907
Particles >21µm		ASTM D7647	>160	▲ 802	120	▲ 306
Particles >38µm		ASTM D7647	>40	▲ 124	18	▲ 47
Particles >71µm		ASTM D7647	>10	▲ 13	2	5
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ 22/21/18	19/18/16	▲ 20/20/17
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ HEAVY	LIGHT	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 oil viscosity is higher than normal.

Sodium	ppm	ASTM D5185m		0	<1	0
Boron	ppm	ASTM D5185m		99	35	37
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	3	2
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m		25	85	28
Calcium	ppm	ASTM D5185m		1667	2564	2998
Phosphorus	ppm	ASTM D5185m		940	921	1015
Zinc	ppm	ASTM D5185m		591	962	1032
Sulfur	ppm	ASTM D5185m		18317	11609	9749
Visc @ 40°C	cSt	ASTM D445	100	▲ 150	117	96.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0861944 **Received** : 11 Jan 2024
Lab Number : 06057955 **Diagnosed** : 12 Jan 2024
Unique Number : 10829337 **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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