



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

Mobile Fleet

Machine Id

5502 5502

Component

Splitter Box

Fluid

MOBIL MOBILTRANS HD 30 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0861946	WC0765085	---
Sample Date		Client Info		09 Jan 2024	09 May 2023	---
Machine Age	hrs	Client Info		10497	9934	---
Oil Age	hrs	Client Info		1198	635	---
Filter Age	hrs	Client Info		1198	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Not Changed	---
Sample Status				SEVERE	SEVERE	---

WEAR

Gear wear is indicated. Bearing and/or bushing wear is indicated.

Iron	ppm	ASTM D5185m	>325	840	1067	---
Chromium	ppm	ASTM D5185m	>5	4	4	---
Nickel	ppm	ASTM D5185m	>10	1	3	---
Titanium	ppm	ASTM D5185m		3	3	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>5	14	13	---
Lead	ppm	ASTM D5185m		12	30	---
Copper	ppm	ASTM D5185m	>30	34	91	---
Tin	ppm	ASTM D5185m		3	4	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

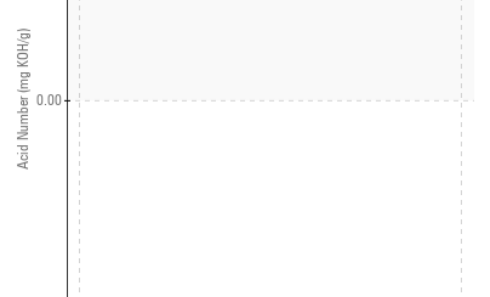
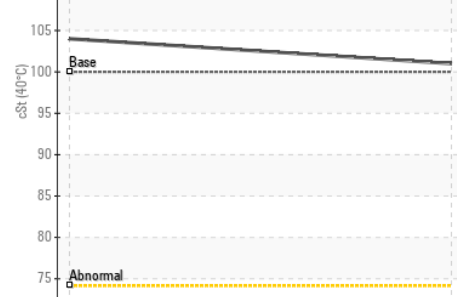
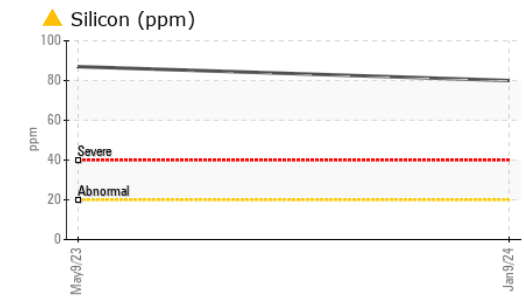
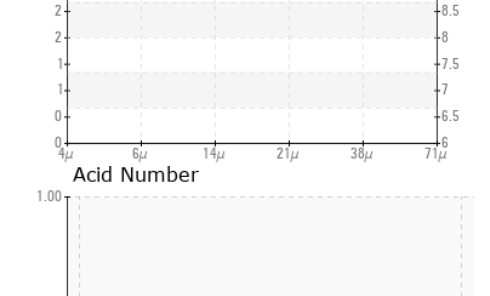
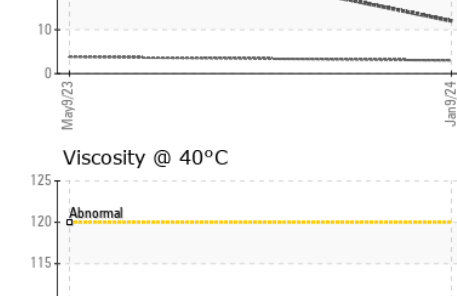
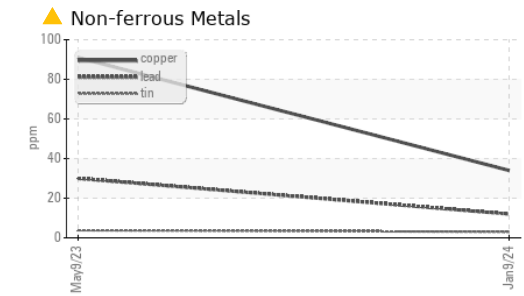
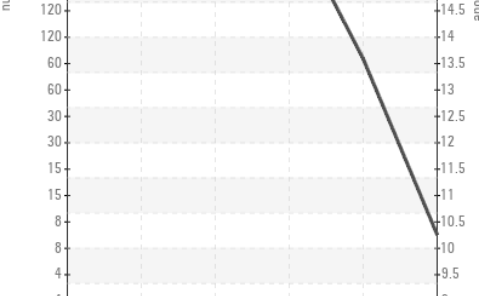
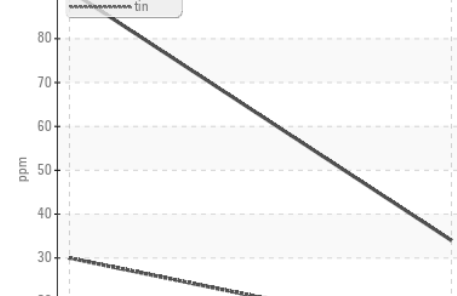
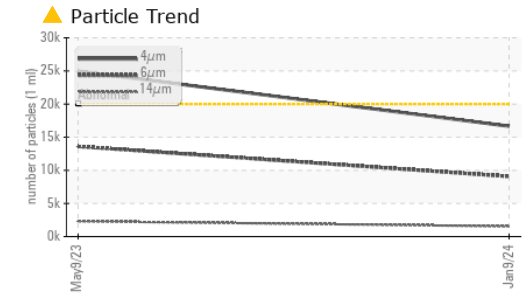
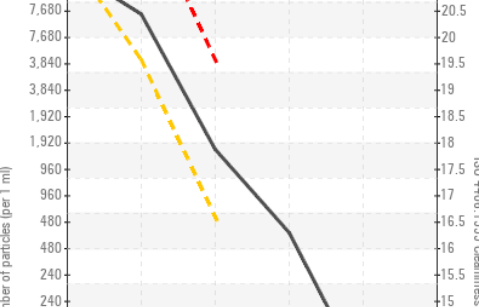
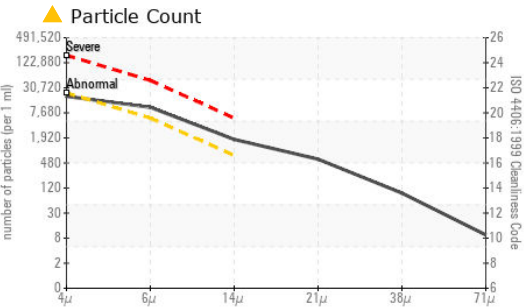
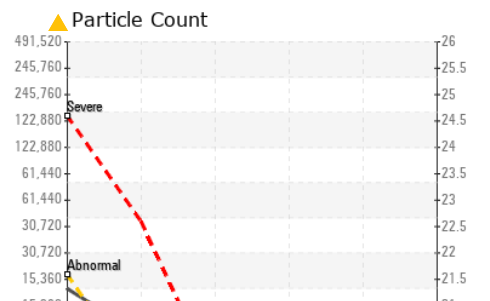
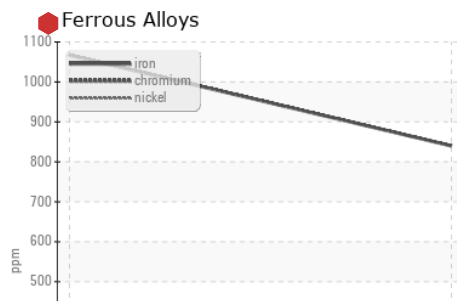
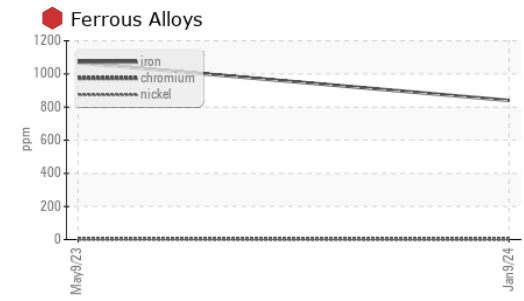
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	80	87	---
Potassium	ppm	ASTM D5185m	>20	4	3	---
Water		WC Method	>0.2	NEG	NEG	---
Particles >4µm		ASTM D7647	>20000	16660	24968	---
Particles >6µm		ASTM D7647	>5000	9076	13601	---
Particles >14µm		ASTM D7647	>640	1545	2315	---
Particles >21µm		ASTM D7647	>160	520	780	---
Particles >38µm		ASTM D7647	>40	80	120	---
Particles >71µm		ASTM D7647	>10	8	12	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/20/18	22/21/18	---
Silt	scalar	*Visual	NONE	NONE	HEAVY	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m		6	6	---
Boron	ppm	ASTM D5185m		10	9	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		49	23	---
Manganese	ppm	ASTM D5185m		6	7	---
Magnesium	ppm	ASTM D5185m		254	67	---
Calcium	ppm	ASTM D5185m		2484	2816	---
Phosphorus	ppm	ASTM D5185m		851	878	---
Zinc	ppm	ASTM D5185m		1000	934	---
Sulfur	ppm	ASTM D5185m		8675	10985	---
Visc @ 40°C	cSt	ASTM D445	100	101	104	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0861946 **Received** : 11 Jan 2024
Lab Number : 06057957 **Diagnosed** : 12 Jan 2024
Unique Number : 10829339 **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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