



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Mobile Fleet
Machine Id
5213 5213
Component
Rear Differential
Fluid
MOBIL MOBILTRANS HD 30 (11 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0919071	WC0596449	---
Sample Date		Client Info		15 Apr 2024	08 Jul 2021	---
Machine Age	hrs	Client Info		6538	3480	---
Oil Age	hrs	Client Info		1698	1087	---
Filter Age	hrs	Client Info		1698	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	64	104	---
Chromium	ppm	ASTM D5185m	>3	<1	1	---
Nickel	ppm	ASTM D5185m	>3	0	<1	---
Titanium	ppm	ASTM D5185m	>2	0	<1	---
Silver	ppm	ASTM D5185m	>2	0	<1	---
Aluminum	ppm	ASTM D5185m	>30	2	0	---
Lead	ppm	ASTM D5185m	>13	<1	<1	---
Copper	ppm	ASTM D5185m	>103	6	23	---
Tin	ppm	ASTM D5185m	>5	0	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

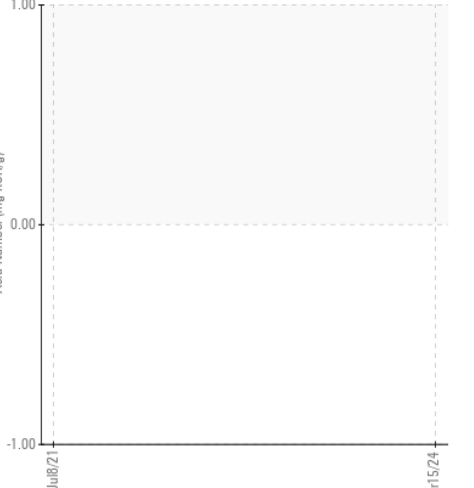
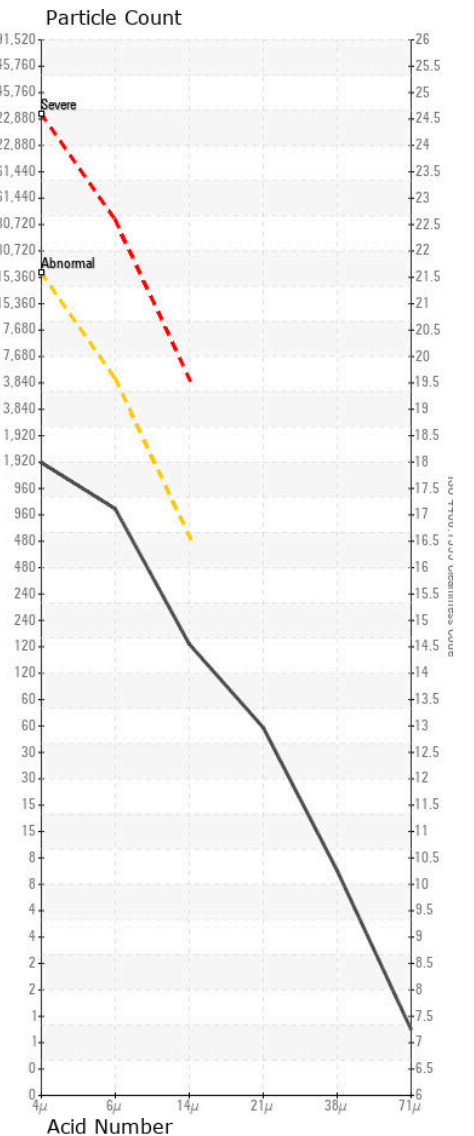
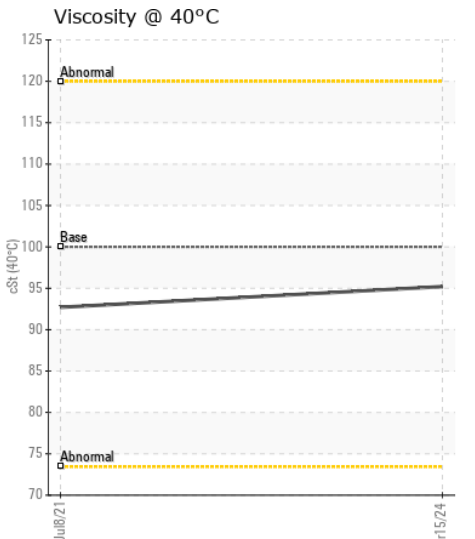
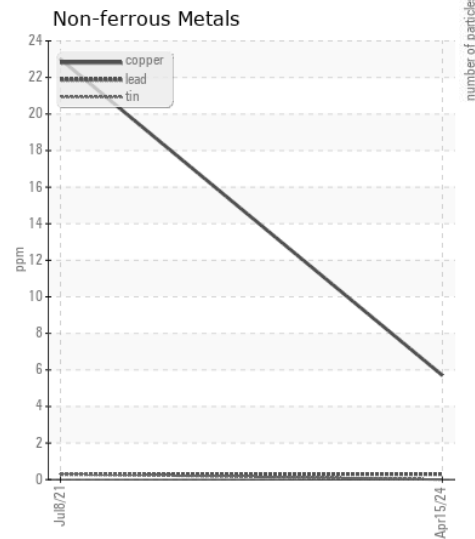
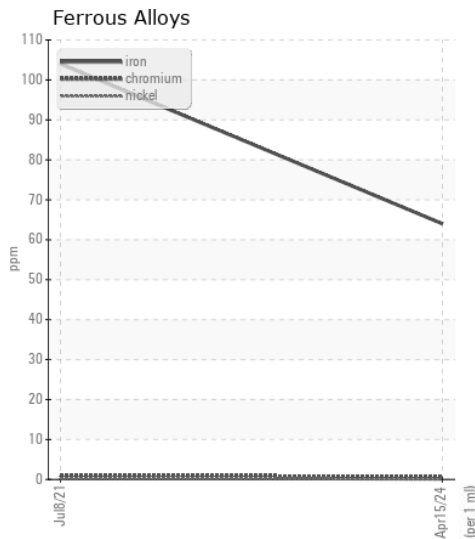
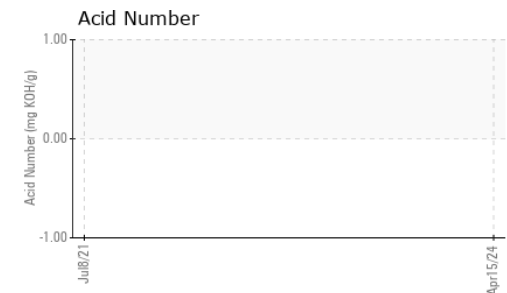
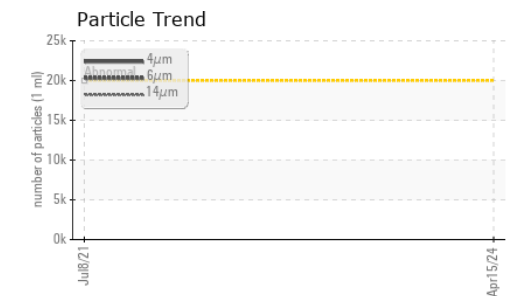
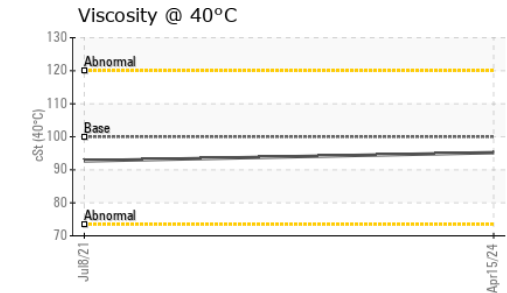
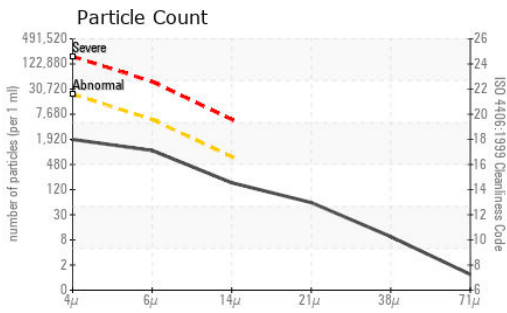
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	12	9	---
Potassium	ppm	ASTM D5185m	>20	11	1	---
Water		WC Method	>.2	NEG	NEG	---
Particles >4µm		ASTM D7647	>20000	1670	---	---
Particles >6µm		ASTM D7647	>5000	910	---	---
Particles >14µm		ASTM D7647	>640	155	---	---
Particles >21µm		ASTM D7647	>160	52	---	---
Particles >38µm		ASTM D7647	>40	8	---	---
Particles >71µm		ASTM D7647	>10	1	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	18/17/14	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		3	2	---
Boron	ppm	ASTM D5185m		2	15	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	2	---
Manganese	ppm	ASTM D5185m		<1	1	---
Magnesium	ppm	ASTM D5185m		23	19	---
Calcium	ppm	ASTM D5185m		2847	3009	---
Phosphorus	ppm	ASTM D5185m		792	979	---
Zinc	ppm	ASTM D5185m		887	1187	---
Sulfur	ppm	ASTM D5185m		8945	5896	---
Visc @ 40°C	cSt	ASTM D445	100	95.2	92.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0919071 **Received** : 17 Apr 2024
Lab Number : 06151855 **Tested** : 19 Apr 2024
Unique Number : 10981933 **Diagnosed** : 19 Apr 2024 - 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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