



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
Contracting
Machine Id
5505 5505
Component
Right Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0861601	WC0784559	WC0559762
Sample Date		Client Info		08 Jan 2024	03 Feb 2023	09 Mar 2021
Machine Age	hrs	Client Info		5191	4737	2857
Oil Age	hrs	Client Info		451	2521	641
Filter Age	hrs	Client Info		451	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	231	573	219
Chromium	ppm	ASTM D5185m	>10	2	4	2
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m	>15	2	4	1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	30	▲ 59	12
Lead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>75	<1	2	1
Tin	ppm	ASTM D5185m	>8	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

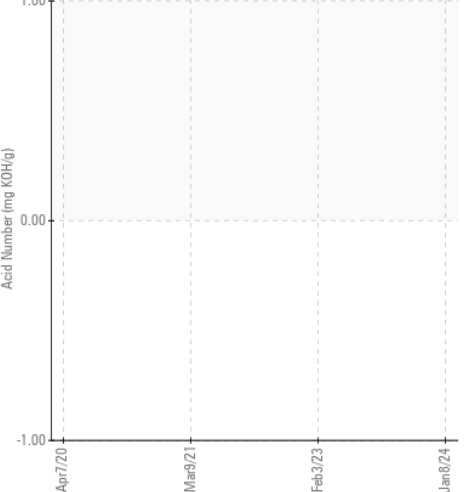
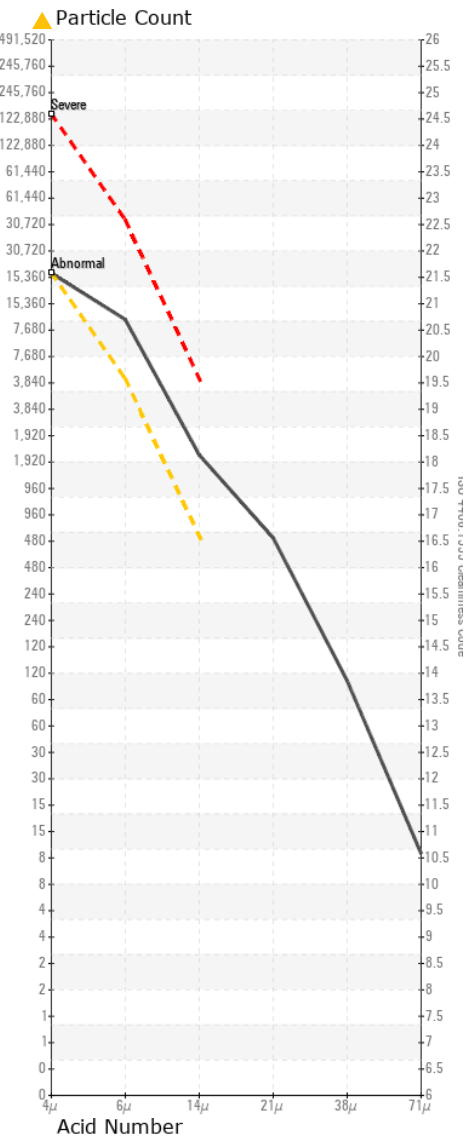
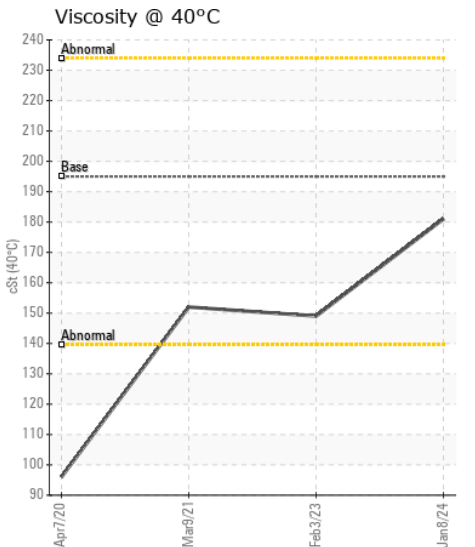
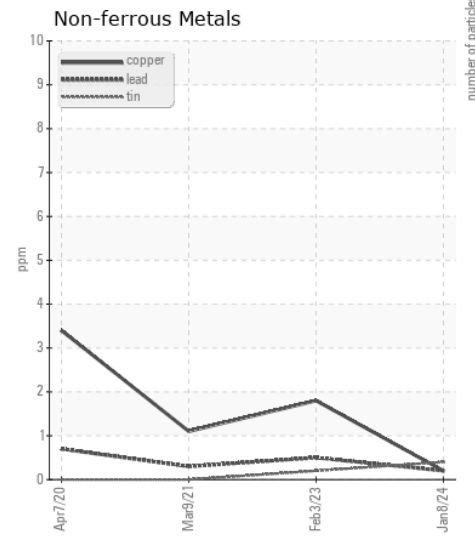
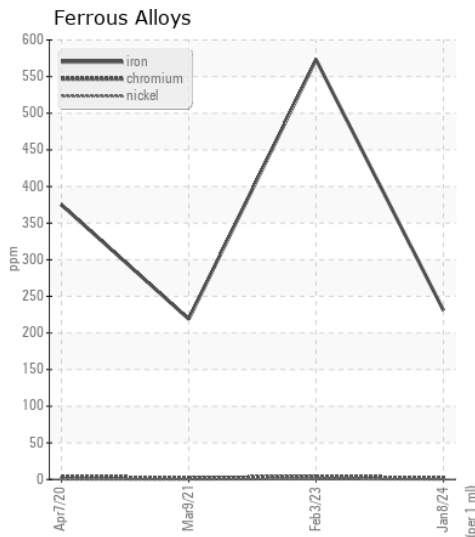
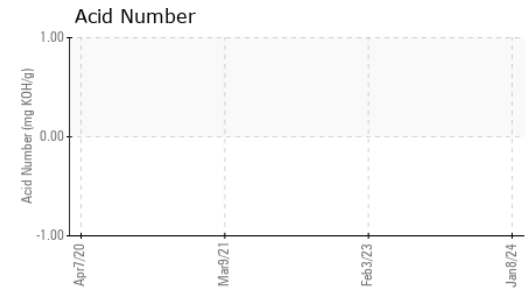
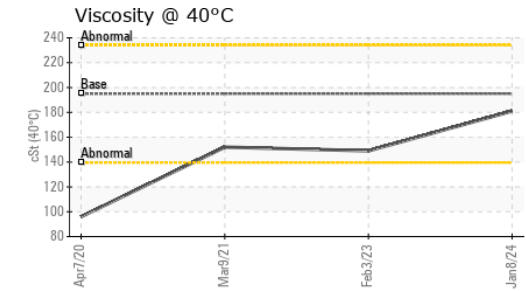
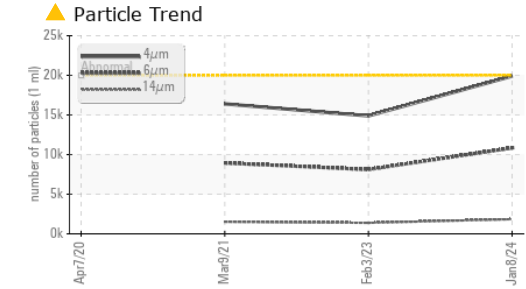
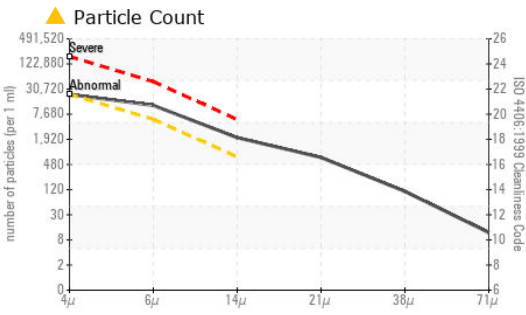
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>400	89	▲ 176	48
Potassium	ppm	ASTM D5185m	>20	6	16	8
Water		WC Method	>0.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	19905	14885	16401
Particles >6µm		ASTM D7647	>5000	▲ 10843	▲ 8109	▲ 8935
Particles >14µm		ASTM D7647	>640	▲ 1845	▲ 1380	▲ 1521
Particles >21µm		ASTM D7647	>160	▲ 622	▲ 465	▲ 512
Particles >38µm		ASTM D7647	>40	▲ 96	▲ 72	▲ 79
Particles >71µm		ASTM D7647	>10	10	7	8
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ 21/21/18	▲ 21/20/18	▲ 21/20/18
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	8	<1
Boron	ppm	ASTM D5185m		5	13	13
Barium	ppm	ASTM D5185m		0	1	2
Molybdenum	ppm	ASTM D5185m		4	2	1
Manganese	ppm	ASTM D5185m		3	6	3
Magnesium	ppm	ASTM D5185m		21	30	25
Calcium	ppm	ASTM D5185m		3341	2970	3125
Phosphorus	ppm	ASTM D5185m		1006	983	1074
Zinc	ppm	ASTM D5185m		1202	1189	1224
Sulfur	ppm	ASTM D5185m		12913	13483	10592
Visc @ 40°C	cSt	ASTM D445	195	181	149	152



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0861601 **Received** : 10 Jan 2024
Lab Number : 06056570 **Diagnosed** : 11 Jan 2024
Unique Number : 10822519 **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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