



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Contracting
Machine Id
5505 5505
Component
Swing 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		WC0861600	WC0784558	WC0559833
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	1352	641
Filter Age	hrs	Client Info		451	1352	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	ATTENTION	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>400	22	71	66
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Lead	ppm	ASTM D5185m	>50	0	<1	<1
Copper	ppm	ASTM D5185m	>200	0	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

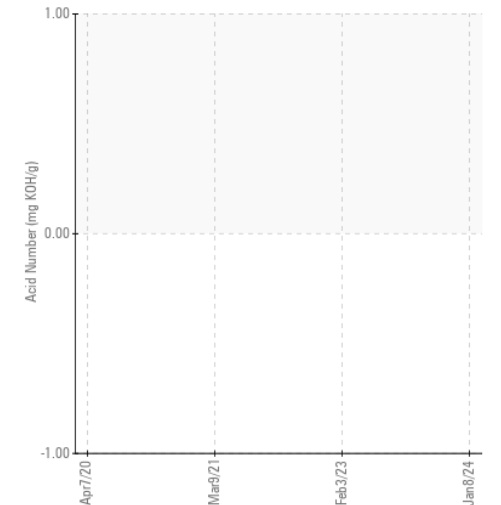
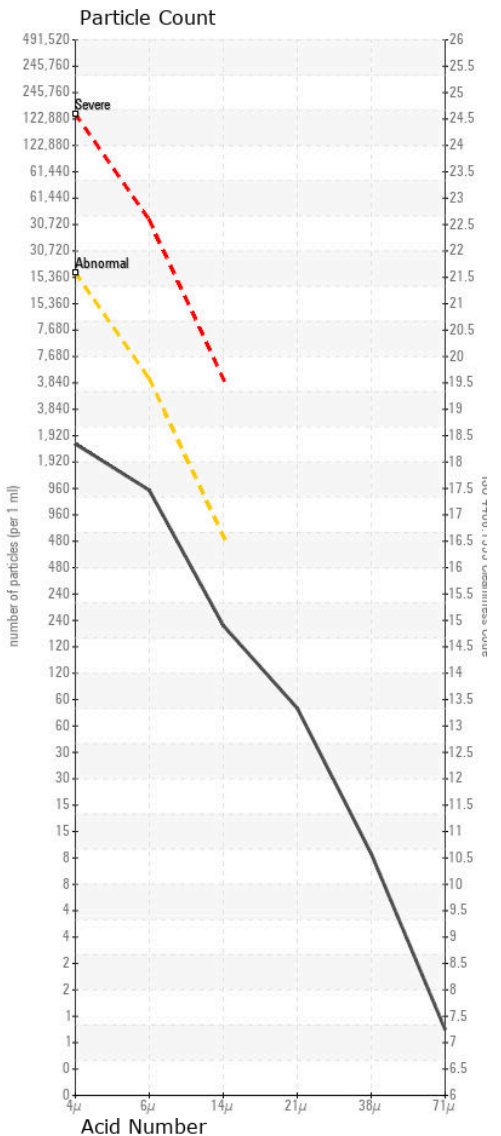
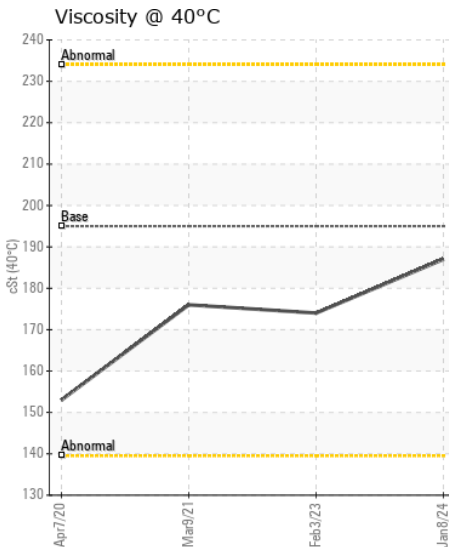
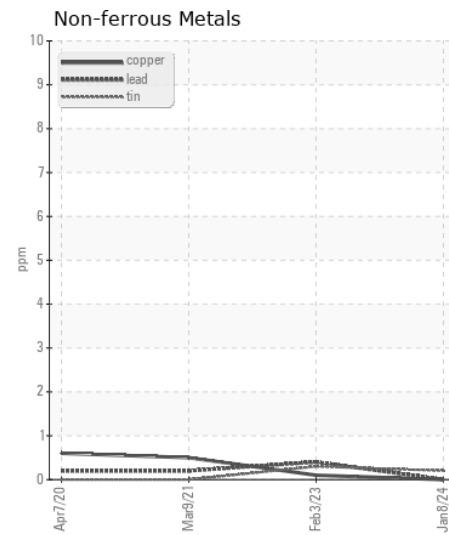
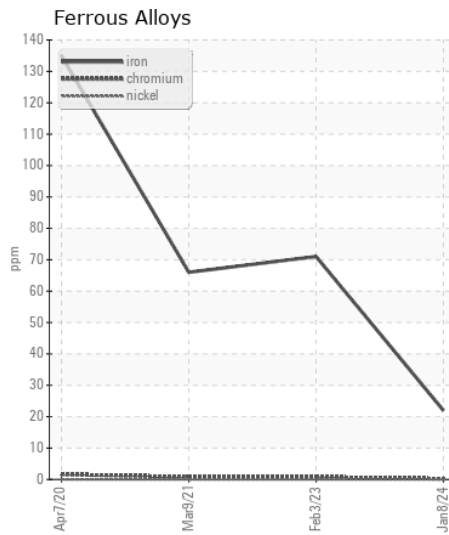
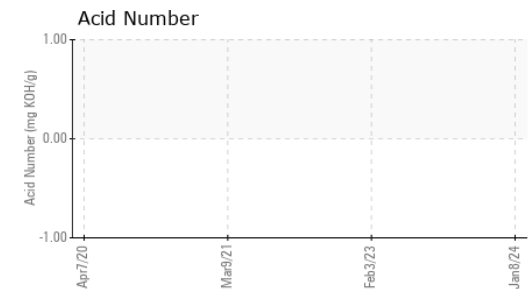
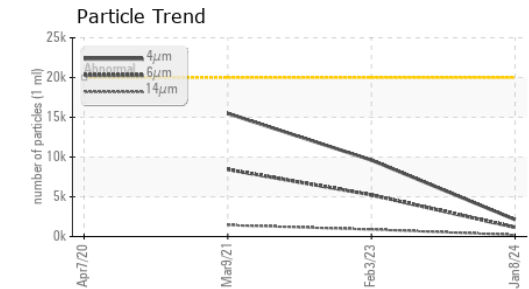
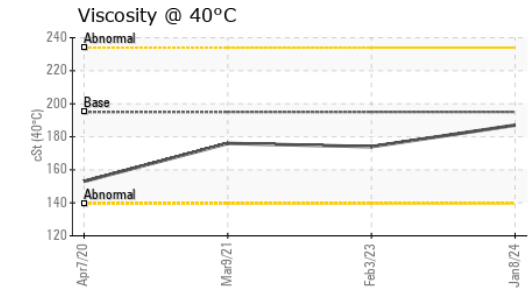
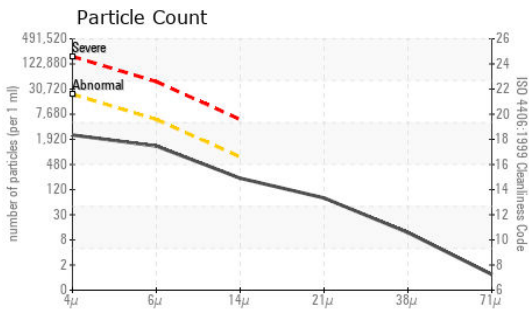
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	14	9	6
Potassium	ppm	ASTM D5185m	>20	<1	0	1
Water		WC Method	>0.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	2131	9622	15488
Particles >6µm		ASTM D7647	>5000	1161	▲ 5242	▲ 8437
Particles >14µm		ASTM D7647	>640	198	▲ 892	▲ 1436
Particles >21µm		ASTM D7647	>160	67	▲ 300	▲ 484
Particles >38µm		ASTM D7647	>40	10	46	▲ 75
Particles >71µm		ASTM D7647	>10	1	5	8
Oil Cleanliness		ISO 4406 (c)	>21/19/16	18/17/15	▲ 20/20/17	▲ 21/20/18
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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		0	2	<1
Boron	ppm	ASTM D5185m		4	6	11
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		5	4	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		23	35	28
Calcium	ppm	ASTM D5185m		3265	3063	3054
Phosphorus	ppm	ASTM D5185m		968	978	1047
Zinc	ppm	ASTM D5185m		1176	1242	1148
Sulfur	ppm	ASTM D5185m		12261	12706	11538
Visc @ 40°C	cSt	ASTM D445	195	187	174	176



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0861600 **Received** : 10 Jan 2024
Lab Number : 06056574 **Diagnosed** : 11 Jan 2024
Unique Number : 10822523 **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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