



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Mobile Fleet
 Machine Id
5504 5504
 Component
Swing Drive
 Fluid
MOBIL MOBILTRANS HD 50 (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0947897	WC0716680	WC0613169
Sample Date		Client Info		15 Jul 2024	18 Jul 2022	27 Aug 2021
Machine Age	hrs	Client Info		10988	9148	8132
Oil Age	hrs	Client Info		1831	2341	1316
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Changed
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	20	21	21
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	2	2	0
Lead	ppm	ASTM D5185m	>50	0	<1	<1
Copper	ppm	ASTM D5185m	>200	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

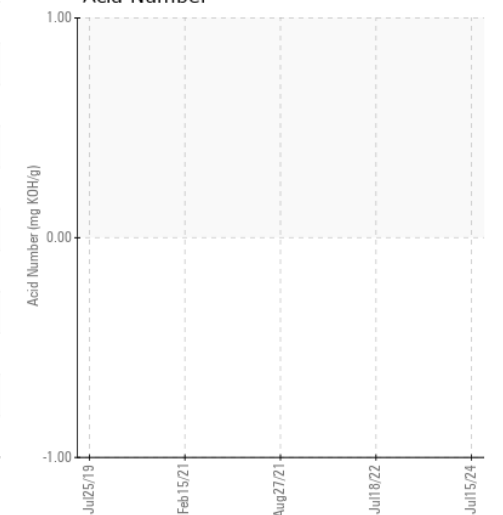
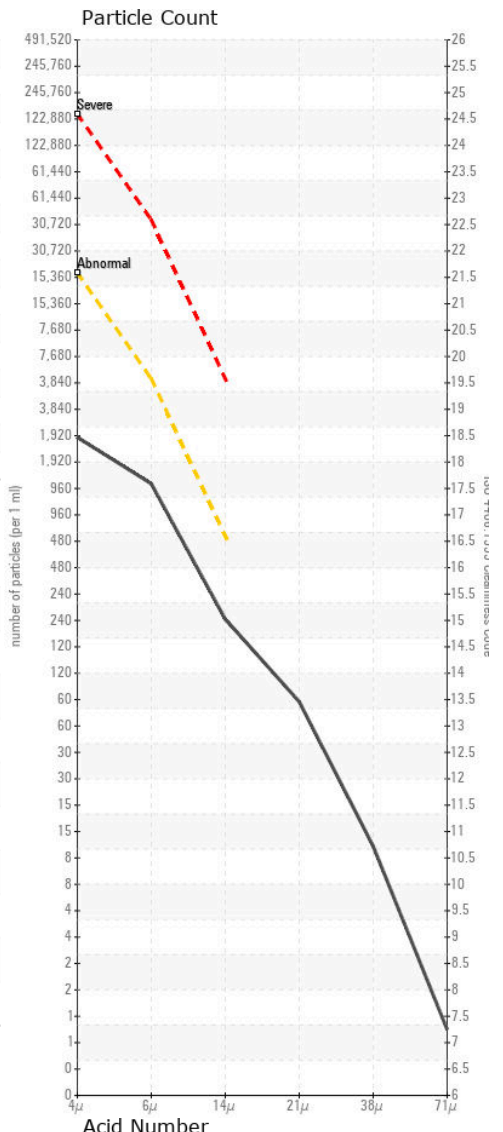
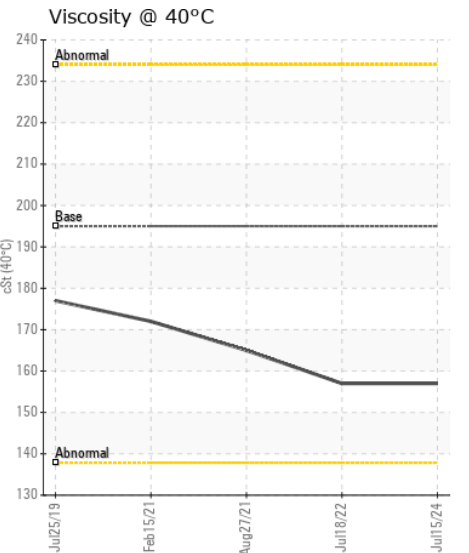
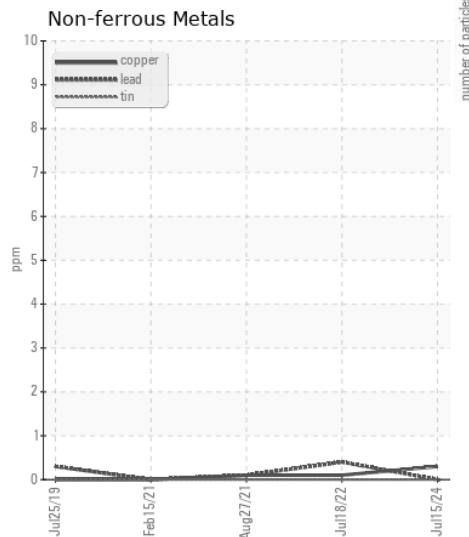
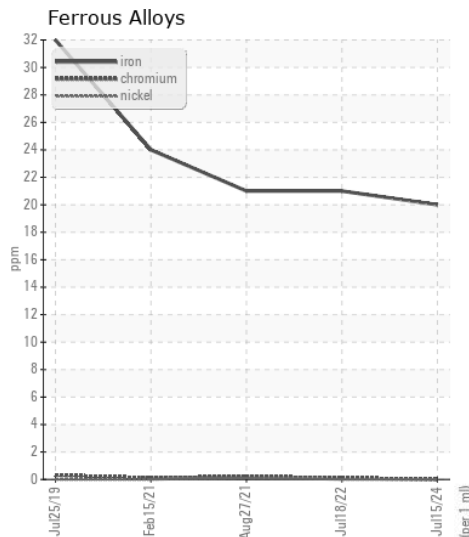
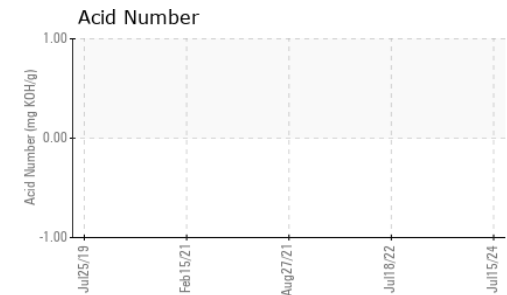
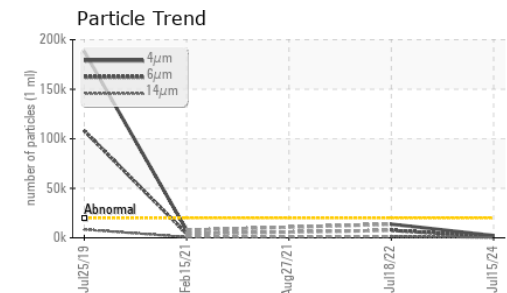
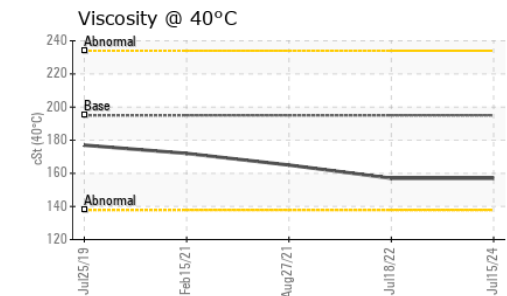
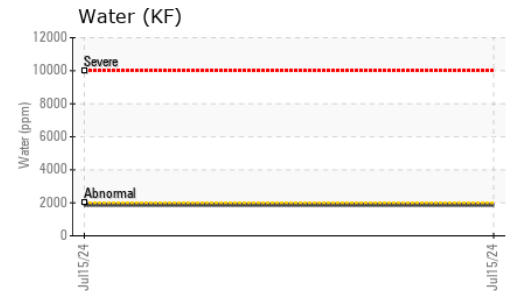
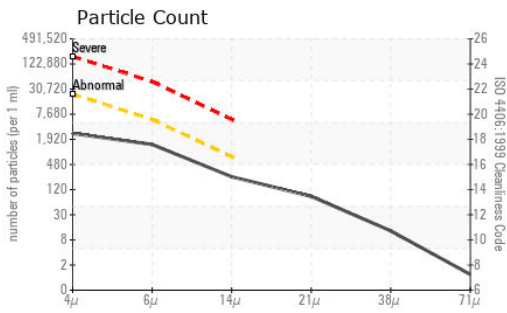
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	15	7	6
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304	>0.2	0.186	---	---
ppm Water	ppm	ASTM D6304	>2000	1860	---	---
Particles >4µm		ASTM D7647	>20000	2323	13750	---
Particles >6µm		ASTM D7647	>5000	1265	7490	---
Particles >14µm		ASTM D7647	>640	215	1275	---
Particles >21µm		ASTM D7647	>160	73	429	---
Particles >38µm		ASTM D7647	>40	11	66	---
Particles >71µm		ASTM D7647	>10	1	7	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	18/17/15	21/20/17	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT	MODER
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	0.2%	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	2	0
Boron	ppm	ASTM D5185m		11	24	14
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	4	5
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		55	50	58
Calcium	ppm	ASTM D5185m		3290	3091	3251
Phosphorus	ppm	ASTM D5185m		961	1042	1098
Zinc	ppm	ASTM D5185m		1144	1293	1282
Sulfur	ppm	ASTM D5185m		13008	12649	10683
Visc @ 40°C	cSt	ASTM D445	195	157	157	165



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0947897 **Received** : 17 Jul 2024
Lab Number : 06239024 **Tested** : 18 Jul 2024
Unique Number : 11127858 **Diagnosed** : 18 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF, 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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