



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL



Area
Contracting
Machine Id
5515 5515
Component
Left Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (2 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0947821	WC0862015	WC0637587
Sample Date		Client Info		29 May 2024	04 Oct 2023	03 Nov 2021
Machine Age	hrs	Client Info		6548	6012	4639
Oil Age	hrs	Client Info		536	490	1164
Filter Age	hrs	Client Info		0	490	0
Oil Changed		Client Info		Not Chngd	Changed	Not Chngd
Filter Changed		Client Info		Not Chngd	Not Chngd	N/A
Sample Status				ATTENTION	ABNORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	291	144	209
Chromium	ppm	ASTM D5185m	>10	2	1	2
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m	>15	2	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	23	2	6
Lead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>75	<1	<1	2
Tin	ppm	ASTM D5185m	>8	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

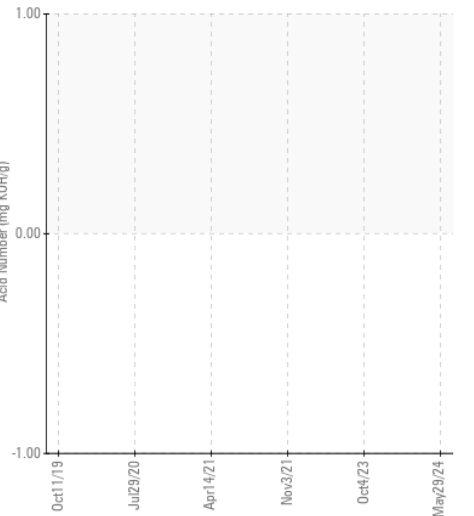
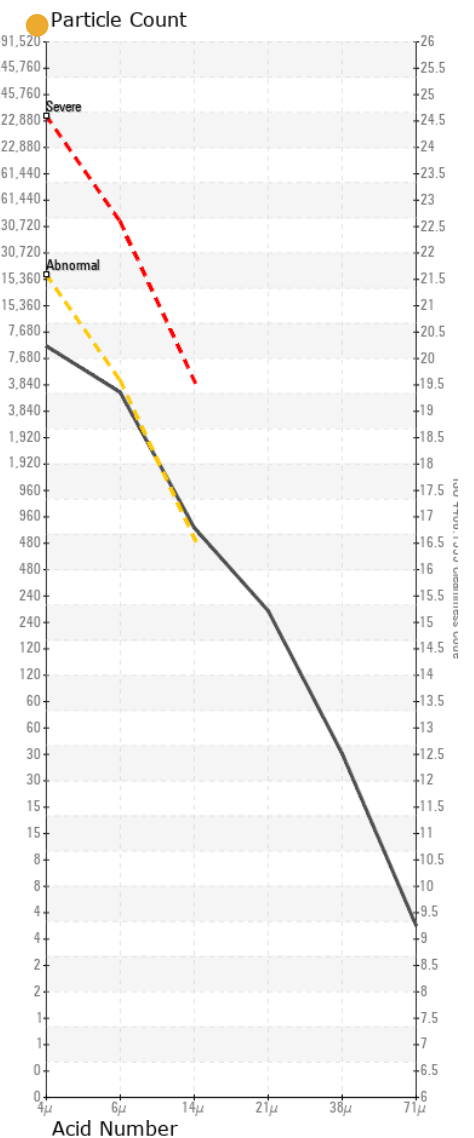
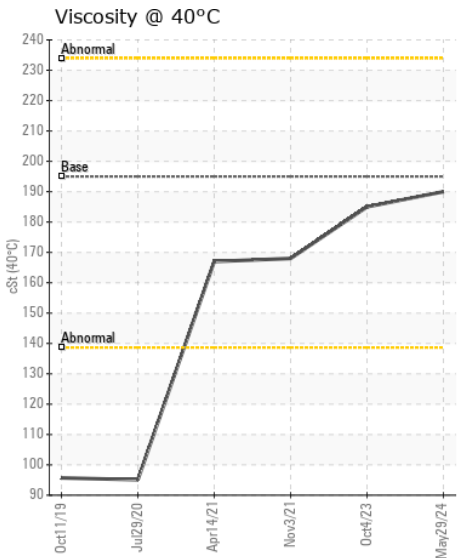
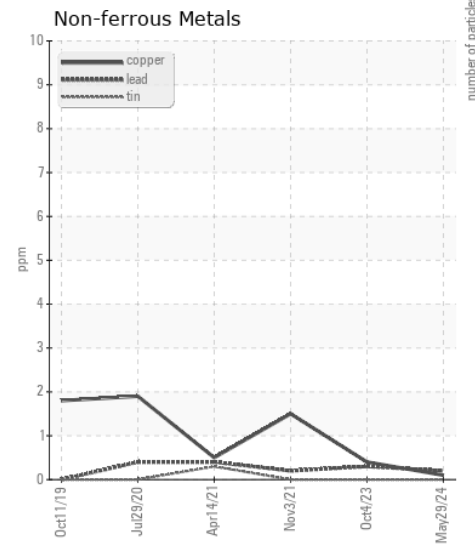
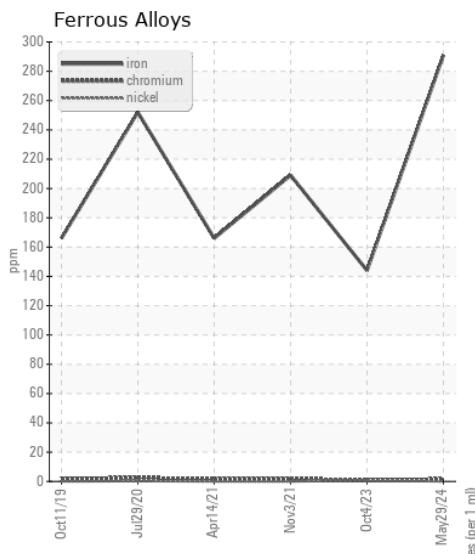
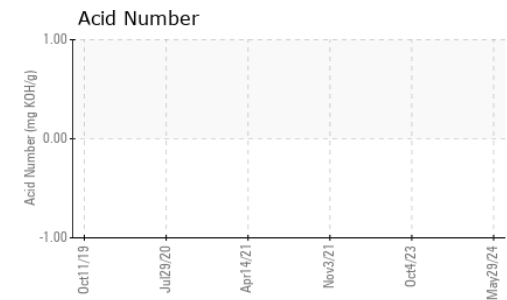
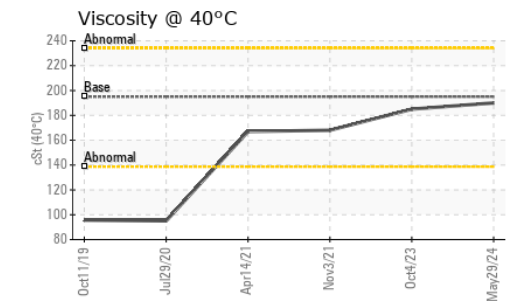
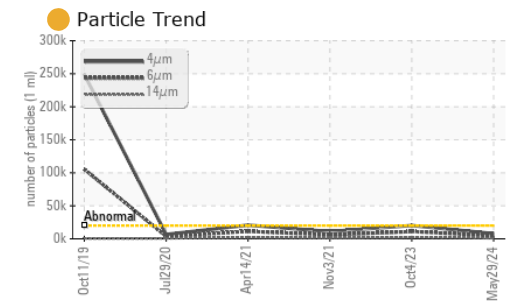
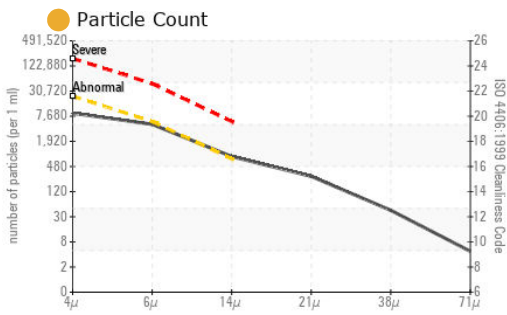
There is a moderate amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>400	95	36	24
Potassium	ppm	ASTM D5185m	>20	1	3	4
Water		WC Method	>0.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	7873	▲ 20157	● 11012
Particles >6µm		ASTM D7647	>5000	4289	▲ 10981	● 5999
Particles >14µm		ASTM D7647	>640	● 730	▲ 1869	● 1021
Particles >21µm		ASTM D7647	>160	● 246	▲ 629	● 344
Particles >38µm		ASTM D7647	>40	38	▲ 97	● 53
Particles >71µm		ASTM D7647	>10	4	10	5
Oil Cleanliness		ISO 4406 (c)	>21/19/16	● 20/19/17	▲ 22/21/18	● 21/20/17
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
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	0	0
Boron	ppm	ASTM D5185m		7	1	5
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		2	1	2
Manganese	ppm	ASTM D5185m		3	2	2
Magnesium	ppm	ASTM D5185m		31	23	31
Calcium	ppm	ASTM D5185m		3525	3243	3599
Phosphorus	ppm	ASTM D5185m		942	942	1184
Zinc	ppm	ASTM D5185m		1103	1169	1393
Sulfur	ppm	ASTM D5185m		13912	13850	12445
Visc @ 40°C	cSt	ASTM D445	195	190	185	168



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0947821 **Received** : 31 May 2024
Lab Number : 06196540 **Tested** : 03 Jun 2024
Unique Number : 11058663 **Diagnosed** : 03 Jun 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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