



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL



Area  
**Contracting**  
Machine Id  
**5515 5515**  
Component  
**Swing 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		<b>WC0947825</b>	WC0862016	WC0637586
Sample Date		Client Info		<b>29 May 2024</b>	04 Oct 2023	03 Nov 2021
Machine Age	hrs	Client Info		<b>6548</b>	6012	4639
Oil Age	hrs	Client Info		<b>536</b>	490	1164
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Sample Status				<b>ATTENTION</b>	ABNORMAL	ATTENTION

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>400	<b>34</b>	44	107
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	0	<1
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>200	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

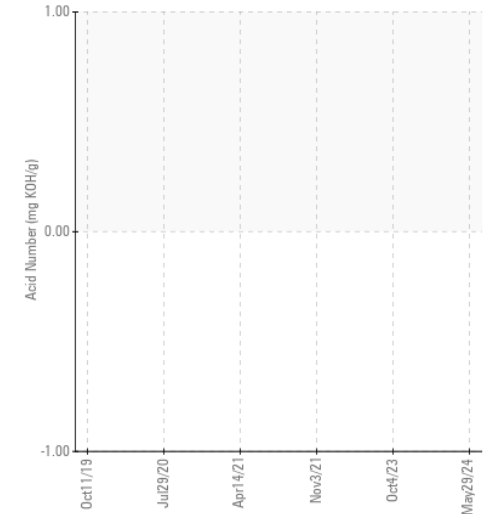
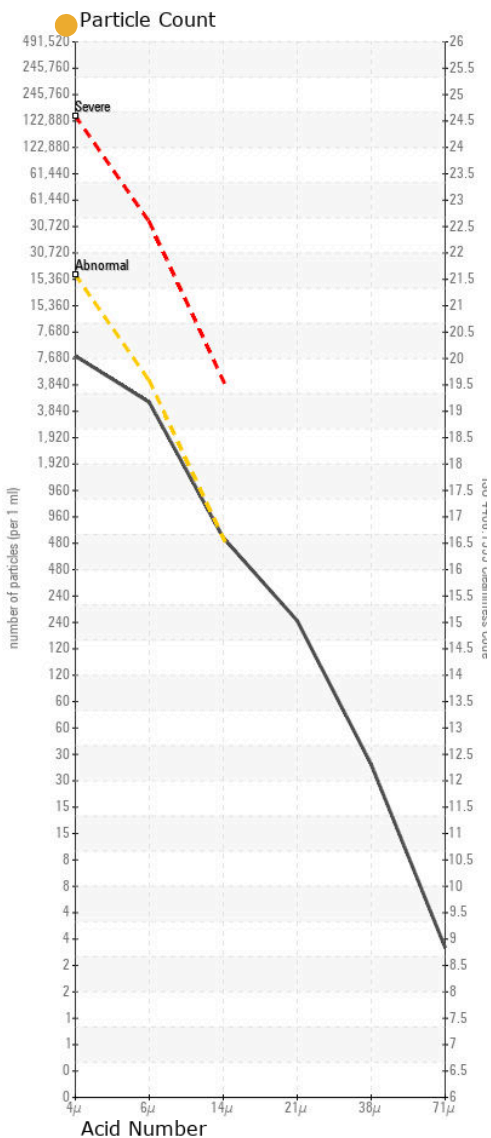
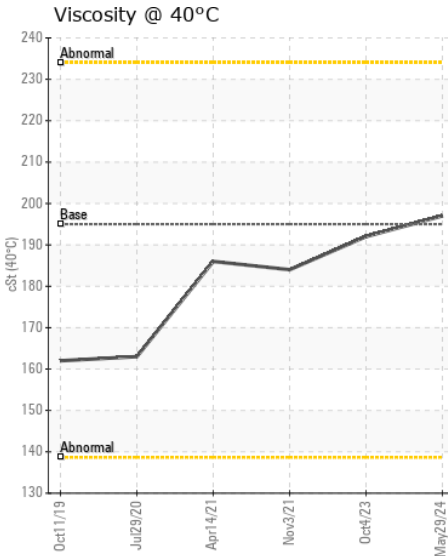
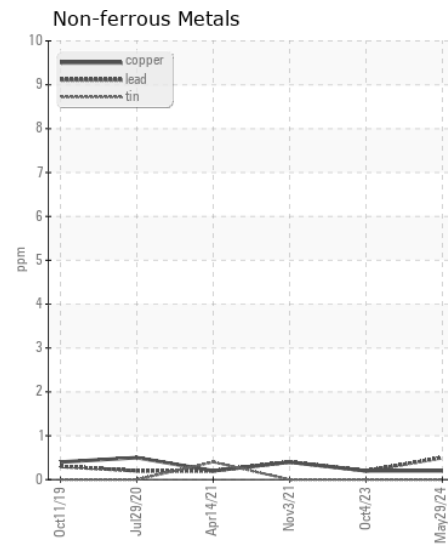
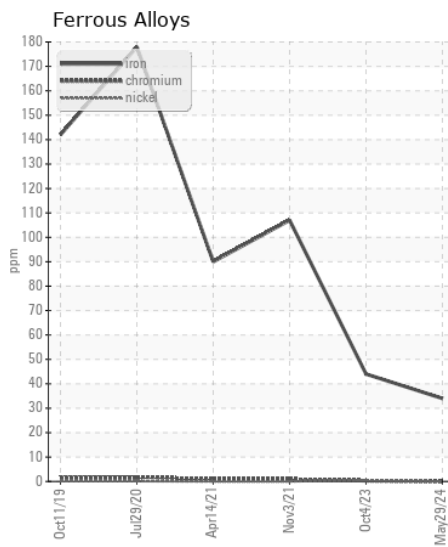
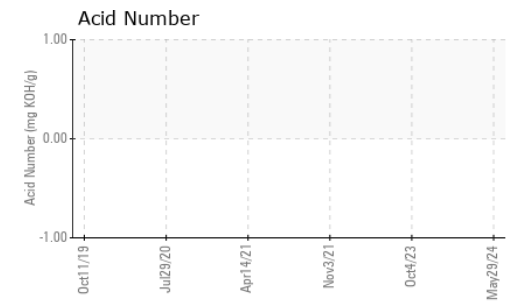
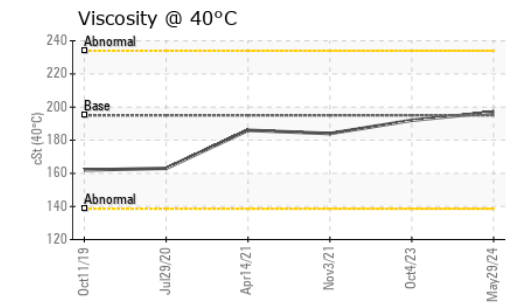
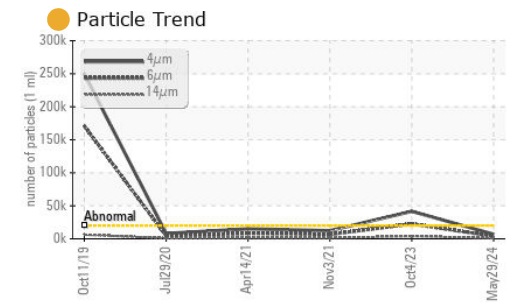
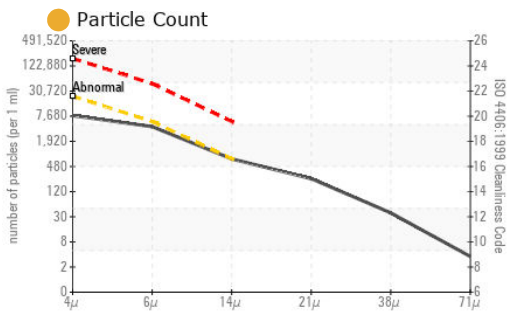
There is a moderate amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>16</b>	17	6
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	1	1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>20000	<b>6916</b>	▲ 41671	12336
Particles >6µm		ASTM D7647	>5000	<b>3768</b>	▲ 22701	6720
Particles >14µm		ASTM D7647	>640	● <b>641</b>	▲ 3863	● 1144
Particles >21µm		ASTM D7647	>160	● <b>216</b>	▲ 1301	● 385
Particles >38µm		ASTM D7647	>40	<b>33</b>	▲ 201	● 59
Particles >71µm		ASTM D7647	>10	<b>3</b>	▲ 21	6
Oil Cleanliness		ISO 4406 (c)	>21/19/16	● <b>20/19/17</b>	▲ 23/22/19	● 21/20/17
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	6	23
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>1</b>	2	2
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	1
Magnesium	ppm	ASTM D5185m		<b>21</b>	22	30
Calcium	ppm	ASTM D5185m		<b>3500</b>	3317	3467
Phosphorus	ppm	ASTM D5185m		<b>909</b>	932	1159
Zinc	ppm	ASTM D5185m		<b>1081</b>	1140	1331
Sulfur	ppm	ASTM D5185m		<b>13384</b>	13506	13703
Visc @ 40°C	cSt	ASTM D445	195	<b>197</b>	192	184



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0947825 **Received** : 31 May 2024  
**Lab Number** : 06196538 **Tested** : 03 Jun 2024  
**Unique Number** : 11058661 **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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