



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
Contracting
Machine Id
5515 5515
Component
Right 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		WC0947822	WC0862008	WC0637588
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		536	490	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	175	143	164
Chromium	ppm	ASTM D5185m	>10	<1	1	2
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m	>15	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	2	0
Aluminum	ppm	ASTM D5185m	>75	11	10	4
Lead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>75	0	<1	1
Tin	ppm	ASTM D5185m	>8	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

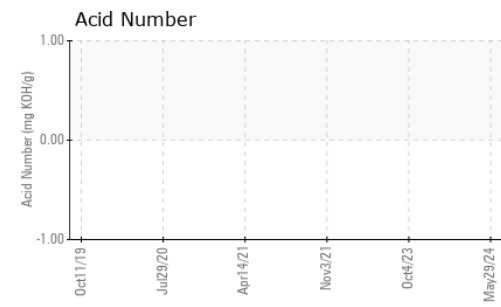
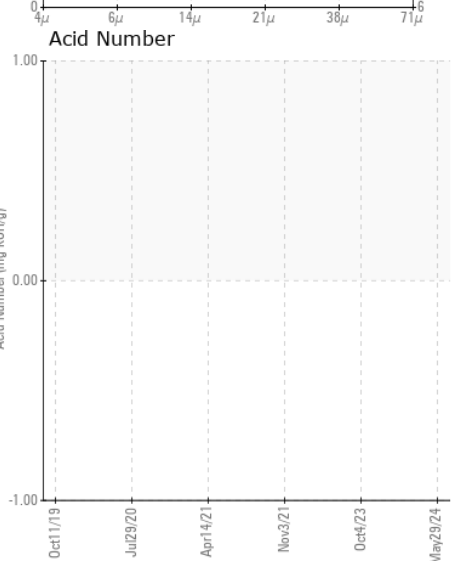
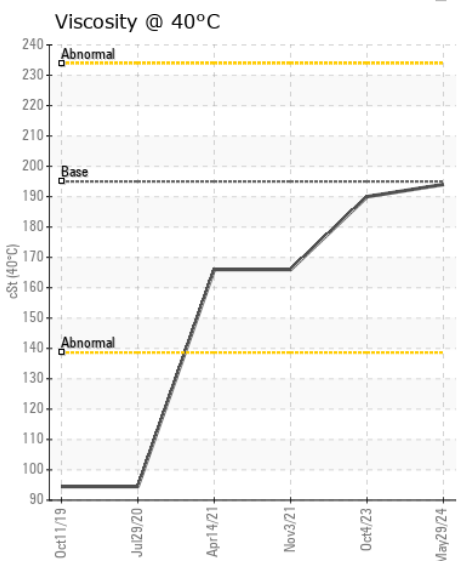
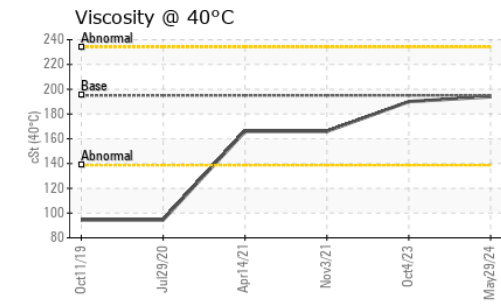
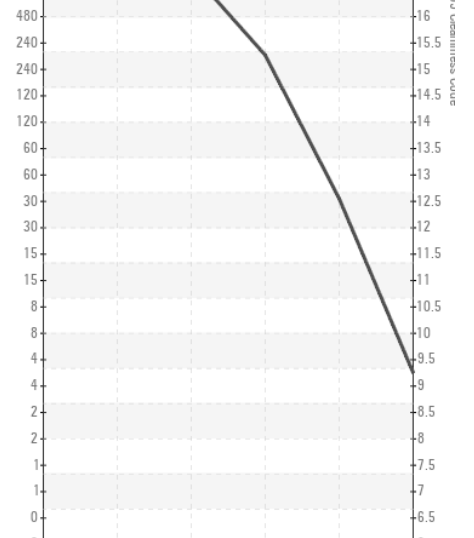
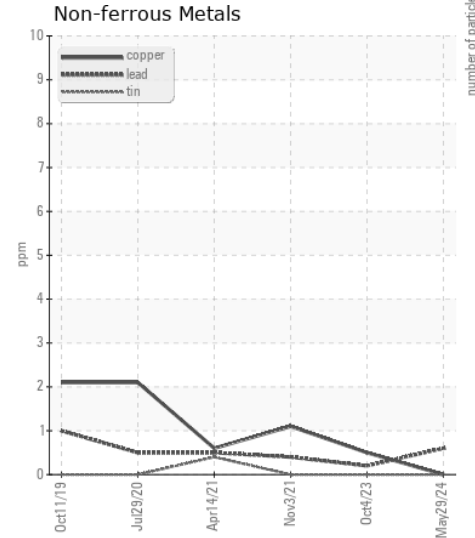
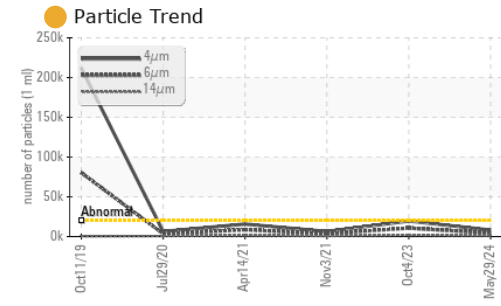
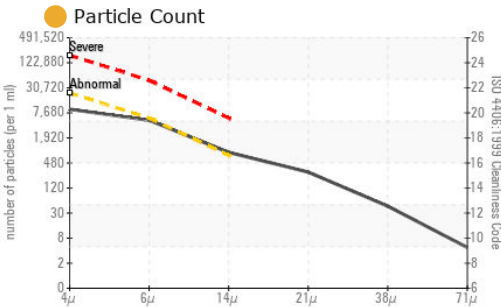
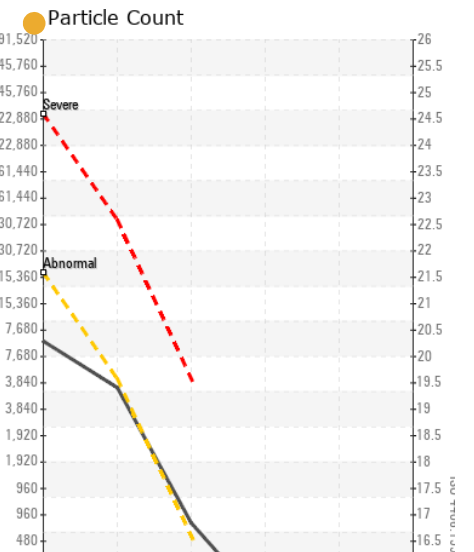
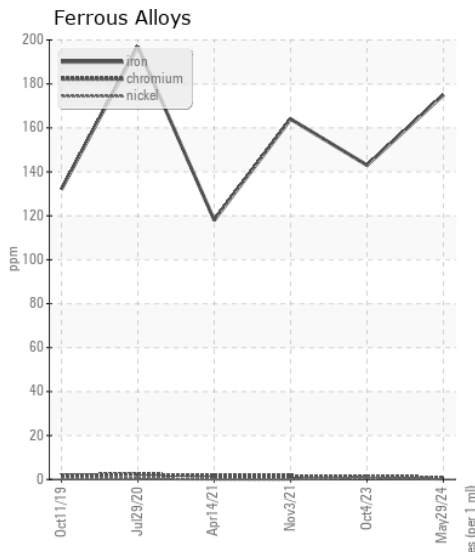
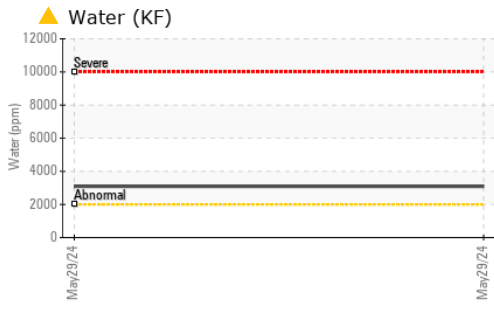
There is a moderate amount of particulates present in the oil. There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>400	53	38	17
Potassium	ppm	ASTM D5185m	>20	0	3	4
Water	%	ASTM D6304	>0.2	▲ 0.309	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 3090	---	---
Particles >4µm		ASTM D7647	>20000	8169	19574	6346
Particles >6µm		ASTM D7647	>5000	4450	▲ 10663	3457
Particles >14µm		ASTM D7647	>640	● 757	▲ 1815	588
Particles >21µm		ASTM D7647	>160	● 255	▲ 611	198
Particles >38µm		ASTM D7647	>40	39	▲ 94	31
Particles >71µm		ASTM D7647	>10	4	10	3
Oil Cleanliness		ISO 4406 (c)	>21/19/16	● 20/19/17	▲ 21/21/18	20/19/16
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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	0.2%	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	<1	0
Boron	ppm	ASTM D5185m		8	4	15
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		1	2	2
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m		21	37	32
Calcium	ppm	ASTM D5185m		3542	5598	3452
Phosphorus	ppm	ASTM D5185m		935	1510	1143
Zinc	ppm	ASTM D5185m		1101	1920	1352
Sulfur	ppm	ASTM D5185m		13984	23044	12576
Visc @ 40°C	cSt	ASTM D445	195	194	190	166



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0947822 **Received** : 31 May 2024
Lab Number : 06196537 **Tested** : 04 Jun 2024
Unique Number : 11058660 **Diagnosed** : 04 Jun 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: KF, PrtCount)

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Certificate L2367
 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)