



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
Mobile Fleet
Machine Id
7603 7603
Component
Hydraulic System
Fluid
MOBIL MOBILTRANS HD 30 (9 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		WC0885924	WC0764894	WC0710665
Sample Date		Client Info		11 Jan 2024	12 Dec 2022	22 Jul 2022
Machine Age	hrs	Client Info		7785	7115	6723
Oil Age	hrs	Client Info		670	2138	509
Filter Age	hrs	Client Info		670	1176	509
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	5	7	6
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	2	2
Lead	ppm	ASTM D5185m	>10	3	2	2
Copper	ppm	ASTM D5185m	>75	2	3	2
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

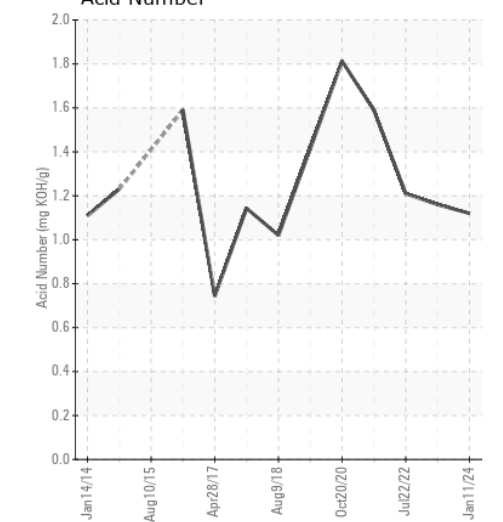
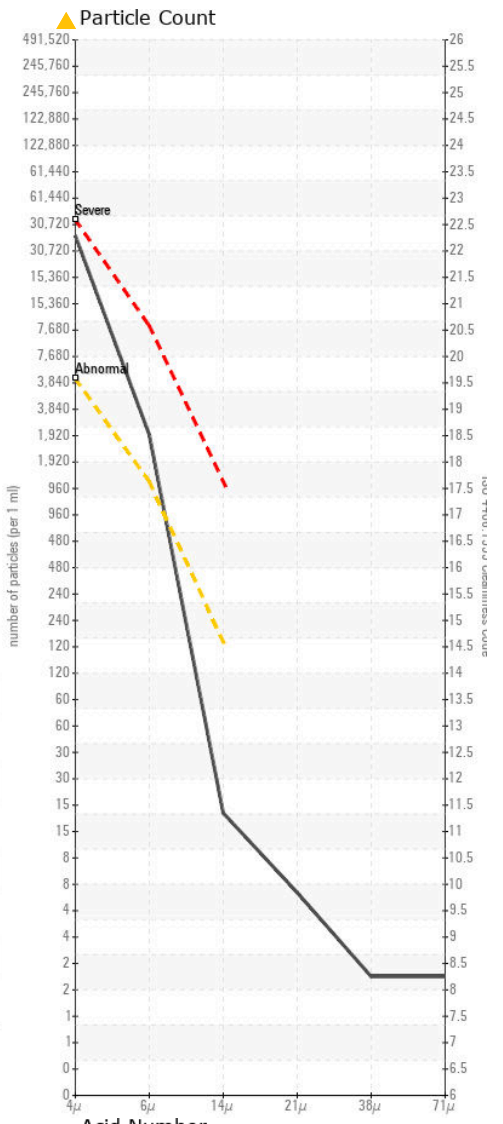
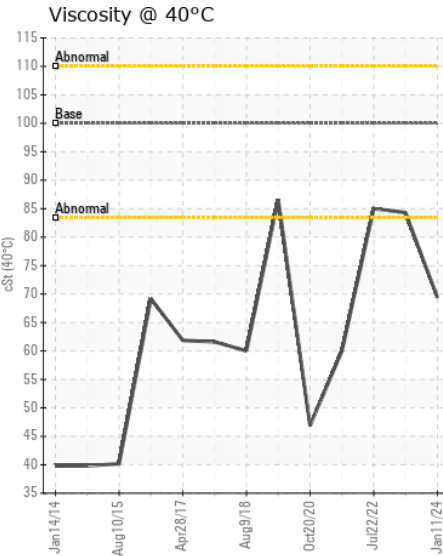
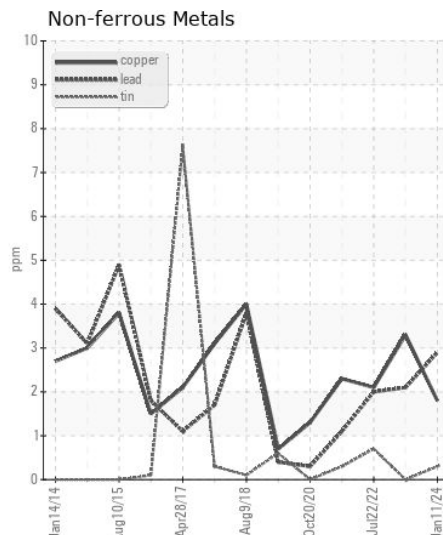
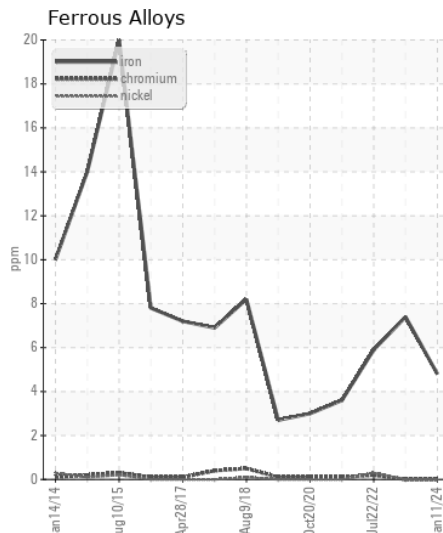
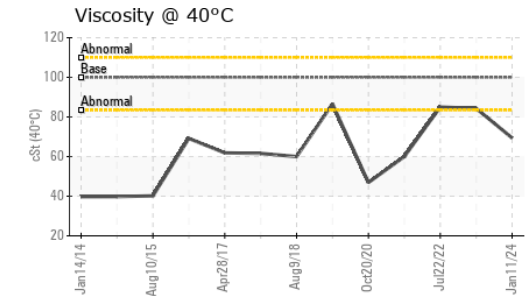
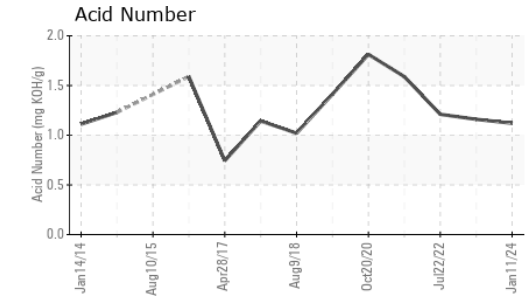
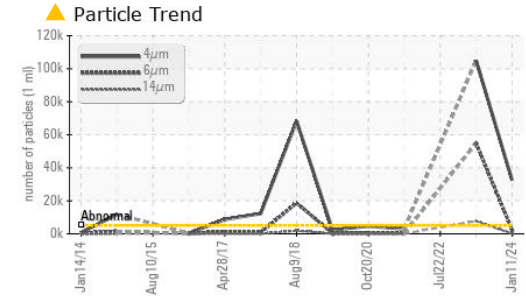
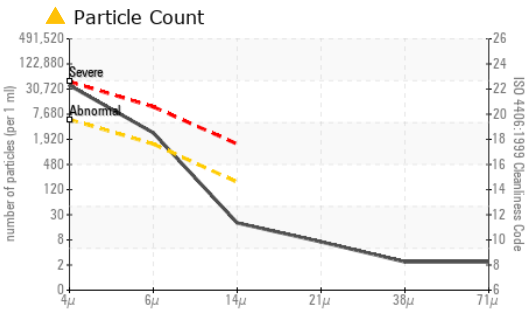
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	13	9	10
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 32548	▲ 104911	---
Particles >6µm		ASTM D7647	>1300	▲ 2401	▲ 54876	---
Particles >14µm		ASTM D7647	>160	17	▲ 7727	---
Particles >21µm		ASTM D7647	>40	6	▲ 1597	---
Particles >38µm		ASTM D7647	>10	2	▲ 91	---
Particles >71µm		ASTM D7647	>3	2	2	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 22/18/11	▲ 24/23/20	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ 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	>0.1	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		2	0	<1
Boron	ppm	ASTM D5185m		27	13	13
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	1	2
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		155	56	69
Calcium	ppm	ASTM D5185m		2683	3093	3321
Phosphorus	ppm	ASTM D5185m		1043	935	965
Zinc	ppm	ASTM D5185m		1192	1117	1203
Sulfur	ppm	ASTM D5185m		8128	8509	8865
Acid Number (AN)	mg KOH/g	ASTM D8045		1.12	1.16	1.21
Visc @ 40°C	cSt	ASTM D445	100	69.4	84.3	85.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0885924 **Received** : 18 Jan 2024
Lab Number : 06064182 **Diagnosed** : 20 Jan 2024
Unique Number : 10835564 **Diagnostician** : Don Baldrige
Test Package : CONST

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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