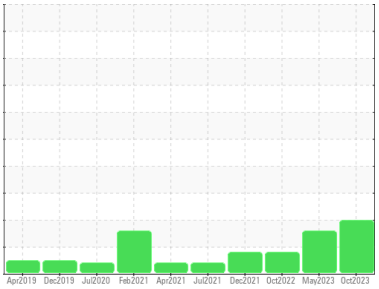
PROBLEM SUMMARY

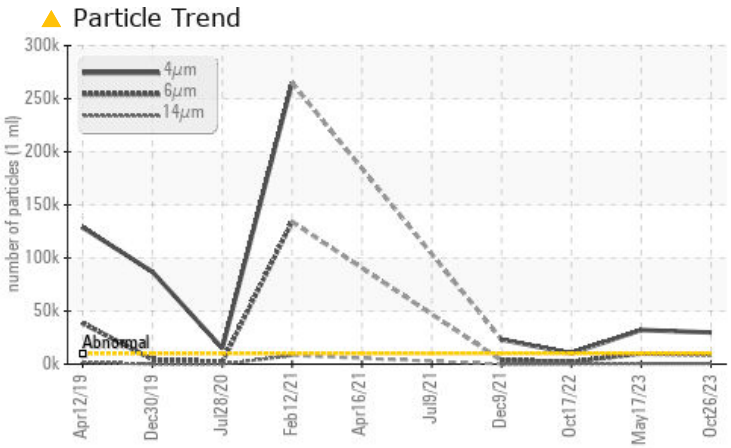
Area
Mobile Fleet
Machine Id
5108 5108
Component
Transmission (Auto)
Fluid
MOBIL DELVAC SYNTHETIC ATF (16 GAL)

Sample Rating Trend



ISO

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	ATTENTION
Particles >4µm		ASTM D7647	>10000	▲ **29765**	▲ 32128	▲ 10193
Particles >6µm		ASTM D7647	>2500	▲ **8906**	▲ 9951	2186
Particles >14µm		ASTM D7647	>320	▲ **505**	▲ 472	207
Particles >21µm		ASTM D7647	>80	▲ **95**	72	63
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ **22/20/16**	▲ 22/20/16	▲ 21/18/15

Customer Id: CARBUTNC
Sample No.: WC0867206
Lab Number: 05995470
Test Package: CONST

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

17 May 2023 Diag: Jonathan Hester

ISO

We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the fluid. The condition of the fluid is acceptable for the time in service.

view report

17 Oct 2022 Diag: Jonathan Hester

ISO

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of silt (particulates < 6 microns in size) present in the fluid. The condition of the fluid is acceptable for the time in service.

view report

09 Dec 2021 Diag: Don Baldridge

ISO

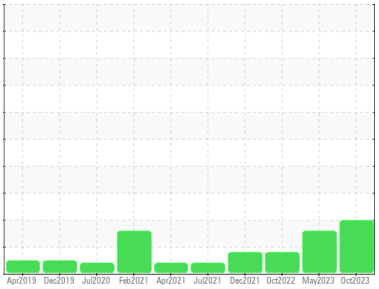
No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the fluid. The condition of the fluid is acceptable for the time in service.

view report

OIL ANALYSIS REPORT

Area
Mobile Fleet
Machine Id
5108 5108
Component
Transmission (Auto)
Fluid
MOBIL DELVAC SYNTHETIC ATF (16 GAL)

Sample Rating Trend



ISO

DIAGNOSIS

Recommendation
We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is a high amount of particulates present in the fluid.

Fluid Condition
The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0867206**	WC0809015	WC0744798
Sample Date		Client Info		**26 Oct 2023**	17 May 2023	17 Oct 2022
Machine Age	hrs	Client Info		**8154**	7616	6935
Oil Age	hrs	Client Info		**534**	2415	1734
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Sample Status				**ABNORMAL**	ABNORMAL	ATTENTION

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	**85**	116	79
Chromium	ppm	ASTM D5185m	>5	**0**	<1	0
Nickel	ppm	ASTM D5185m	>5	**0**	<1	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m	>5	**0**	0	0
Aluminum	ppm	ASTM D5185m	>50	**1**	<1	1
Lead	ppm	ASTM D5185m	>50	**0**	<1	0
Copper	ppm	ASTM D5185m	>225	**2**	4	3
Tin	ppm	ASTM D5185m	>10	**<1**	0	0
Antimony	ppm	ASTM D5185m		**---**	---	---
Vanadium	ppm	ASTM D5185m		**0**	0	<1
Cadmium	ppm	ASTM D5185m		**0**	0	0

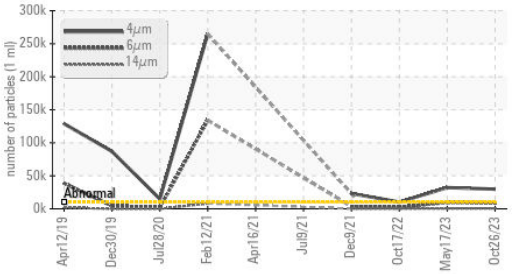
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**108**	112	109
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**<1**	1	<1
Manganese	ppm	ASTM D5185m		**1**	1	2
Magnesium	ppm	ASTM D5185m		**10**	11	2
Calcium	ppm	ASTM D5185m		**366**	600	547
Phosphorus	ppm	ASTM D5185m		**364**	419	404
Zinc	ppm	ASTM D5185m		**121**	202	167
Sulfur	ppm	ASTM D5185m		**1862**	2858	2584

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	**3**	4	3
Sodium	ppm	ASTM D5185m		**2**	1	2
Potassium	ppm	ASTM D5185m	>20	**<1**	1	0

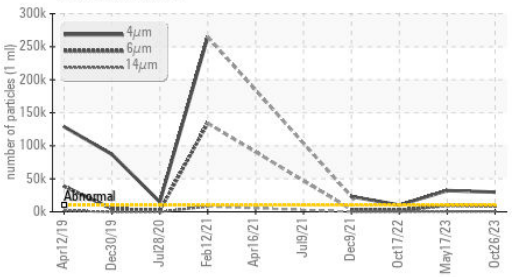
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	▲ **29765**	▲ 32128	▲ 10193
Particles >6µm		ASTM D7647	>2500	▲ **8906**	▲ 9951	2186
Particles >14µm		ASTM D7647	>320	▲ **505**	▲ 472	207
Particles >21µm		ASTM D7647	>80	▲ **95**	72	63
Particles >38µm		ASTM D7647	>20	**1**	1	2
Particles >71µm		ASTM D7647	>4	**0**	0	1
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ **22/20/16**	▲ 22/20/16	▲ 21/18/15

OIL ANALYSIS REPORT

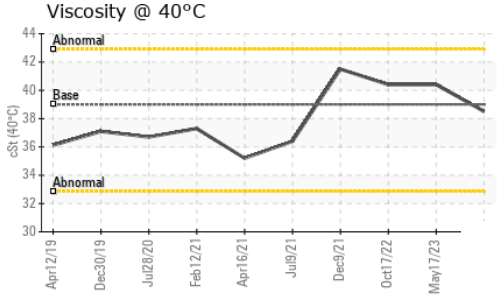
Particle Trend



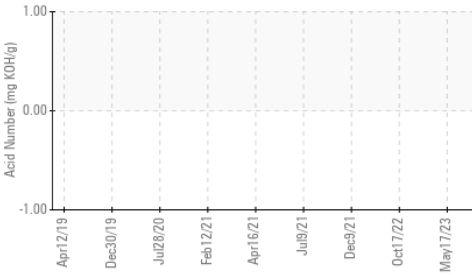
Particle Trend



Viscosity @ 40°C

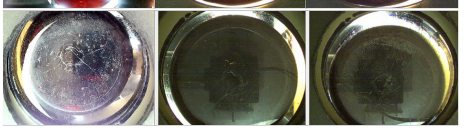


Acid Number



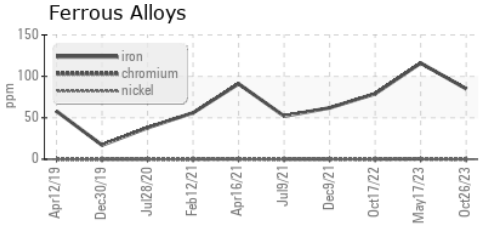
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	39	**38.5**	40.4	40.4

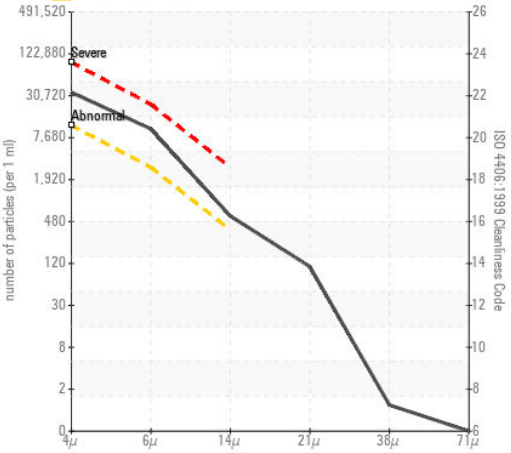
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS

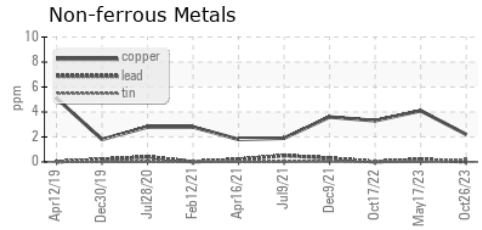
Ferrous Alloys



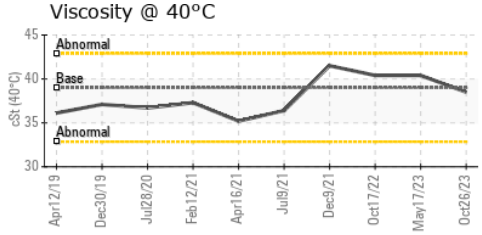
Particle Count



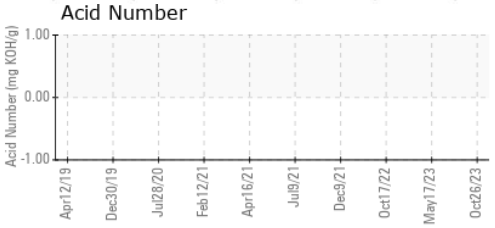
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0867206 **Received** : 01 Nov 2023
Lab Number : 05995470 **Diagnosed** : 02 Nov 2023
Unique Number : 10723830 **Diagnostician** : Don Baldridge
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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