



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
Mobile Fleet
Machine Id
5107 5107
Component
Transmission (Auto)
Fluid
MOBIL DELVAC SYNTHETIC ATF (16 GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0885980	WC0862110	WC0819076
Sample Date		Client Info		05 Jan 2024	28 Sep 2023	13 Jun 2023
Machine Age	hrs	Client Info		11391	10790	10232
Oil Age	hrs	Client Info		1159	558	2392
Filter Age	hrs	Client Info		1159	558	2392
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	79	62	100
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	2	0	<1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>225	<1	<1	1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

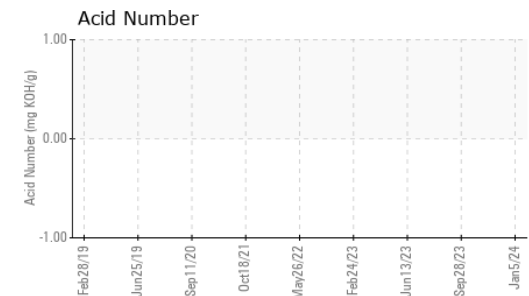
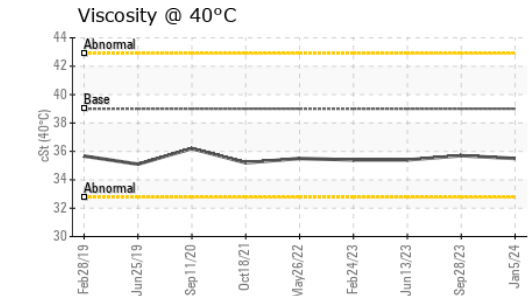
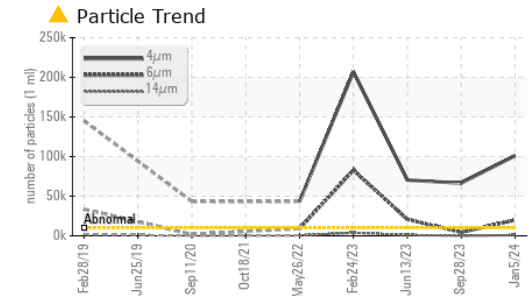
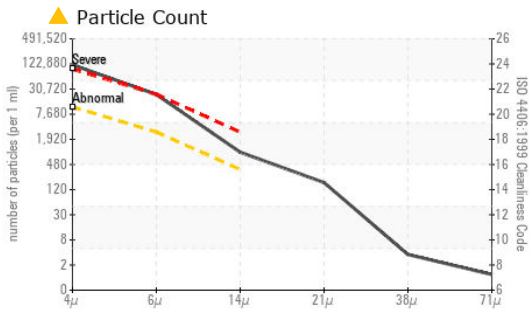
There is a high amount of particulates present in the fluid.

Silicon	ppm	ASTM D5185m	>20	8	3	5
Potassium	ppm	ASTM D5185m	>20	2	1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 101061	▲ 66435	▲ 70376
Particles >6µm		ASTM D7647	>2500	▲ 19745	▲ 4387	▲ 20762
Particles >14µm		ASTM D7647	>320	▲ 828	85	▲ 907
Particles >21µm		ASTM D7647	>80	▲ 156	13	▲ 152
Particles >38µm		ASTM D7647	>20	3	0	2
Particles >71µm		ASTM D7647	>4	1	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 24/21/17	▲ 23/19/14	▲ 23/22/17
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	0	2
Boron	ppm	ASTM D5185m		131	147	154
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	1
Magnesium	ppm	ASTM D5185m		1	3	0
Calcium	ppm	ASTM D5185m		138	83	66
Phosphorus	ppm	ASTM D5185m		331	288	306
Zinc	ppm	ASTM D5185m		29	21	0
Sulfur	ppm	ASTM D5185m		1073	1969	1181
Visc @ 40°C	cSt	ASTM D445	39	35.5	35.7	35.4

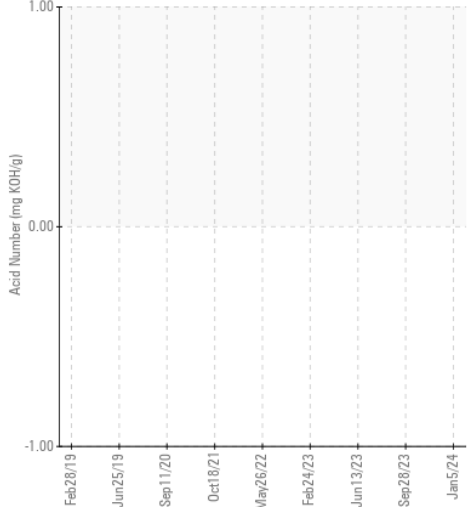
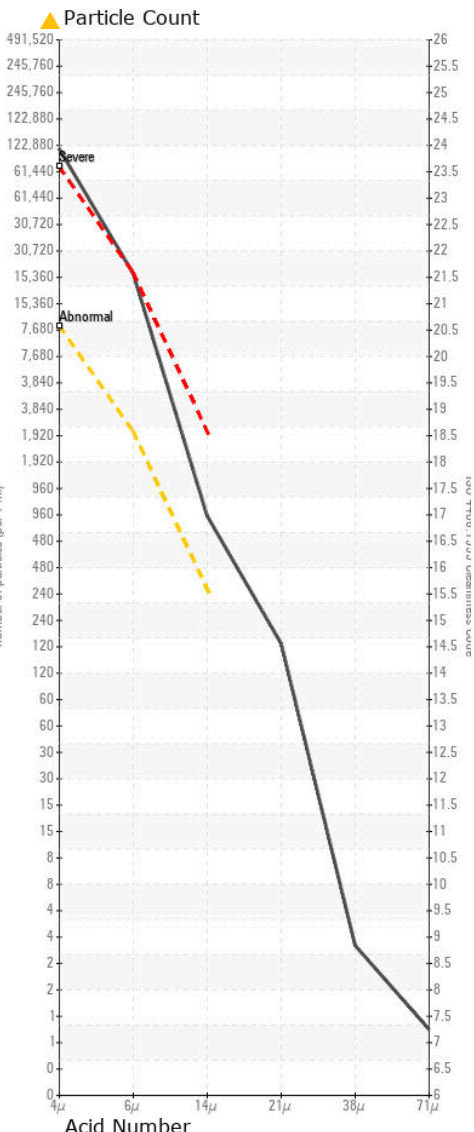
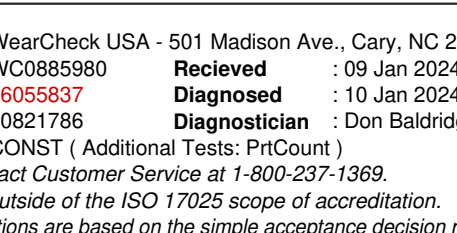
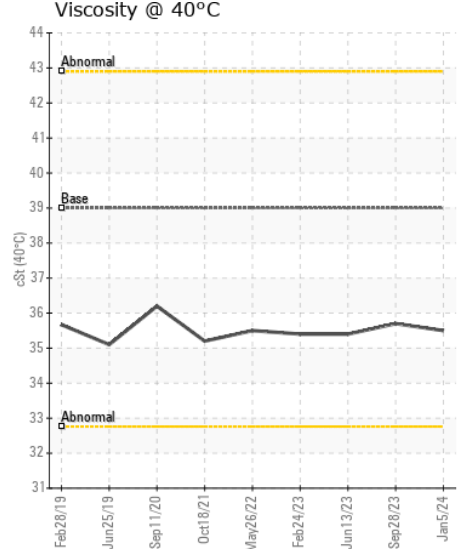
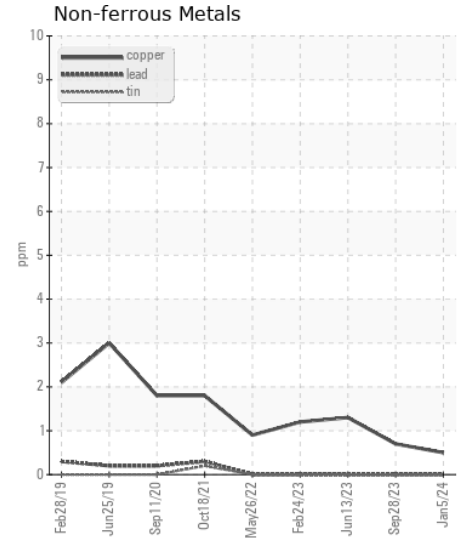
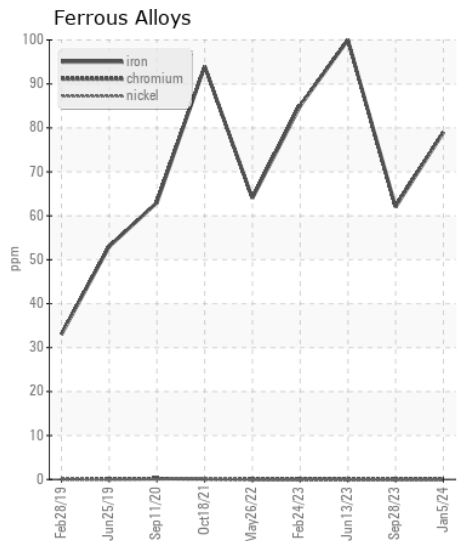


Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0885980 **Received** : 09 Jan 2024
Lab Number : 06055837 **Diagnosed** : 10 Jan 2024
Unique Number : 10821786 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PrtCount)

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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