



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
Mobile Fleet
 Machine Id
5106 5106
 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		WC0956028	WC0861758	WC0852398
Sample Date		Client Info		10 Jul 2024	05 Mar 2024	01 Sep 2023
Machine Age	hrs	Client Info		11283	10804	10302
Oil Age	hrs	Client Info		1499	1020	518
Filter Age	hrs	Client Info		1499	1020	518
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	104	89	74
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	2	1	1
Lead	ppm	ASTM D5185m	>50	<1	0	0
Copper	ppm	ASTM D5185m	>225	2	1	1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

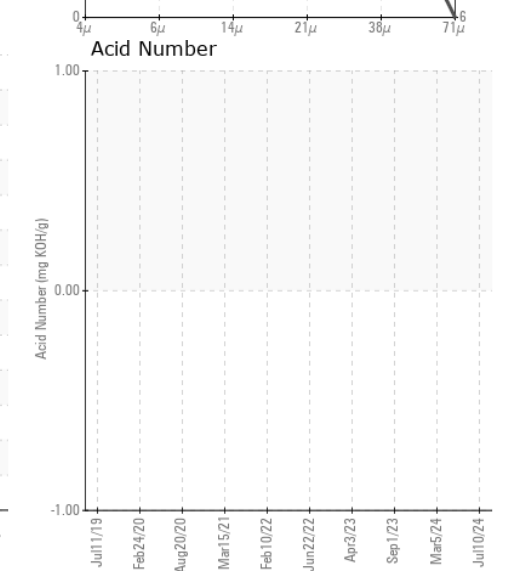
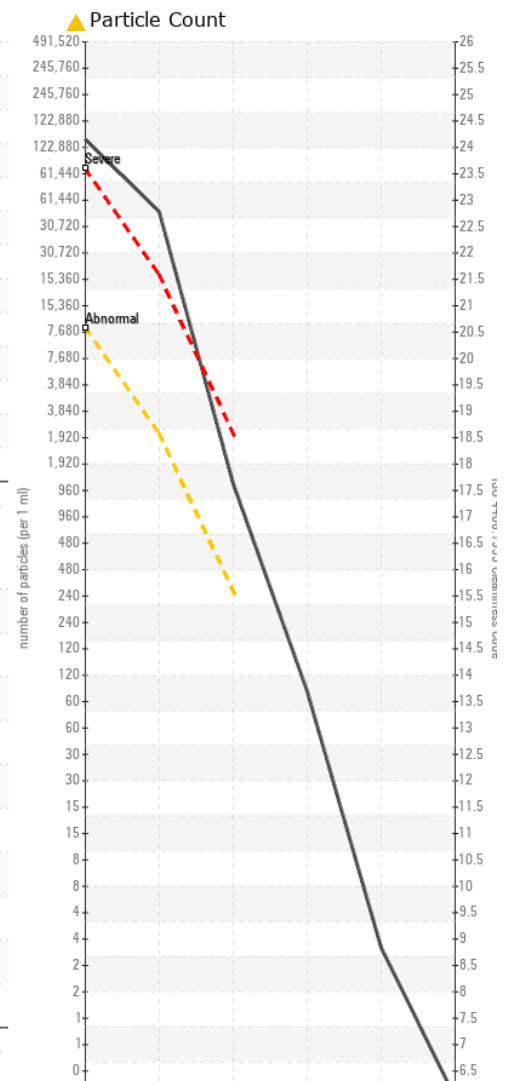
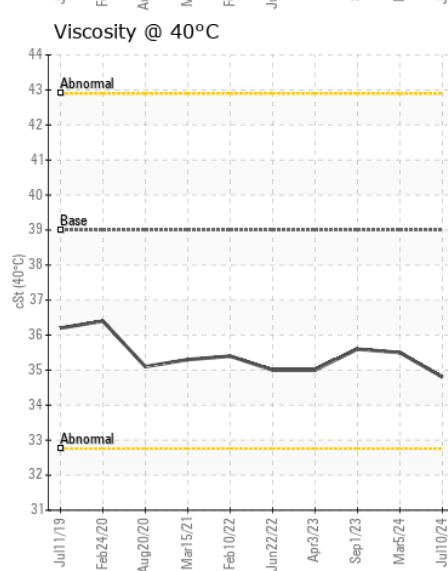
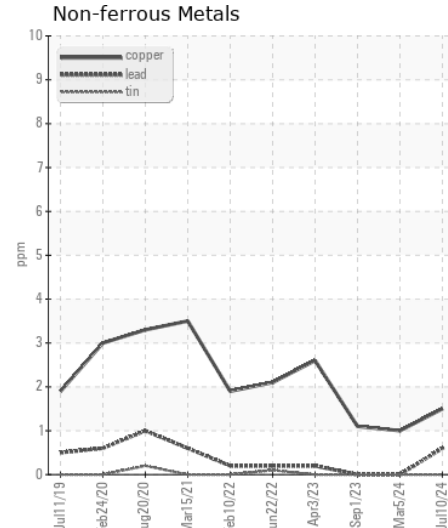
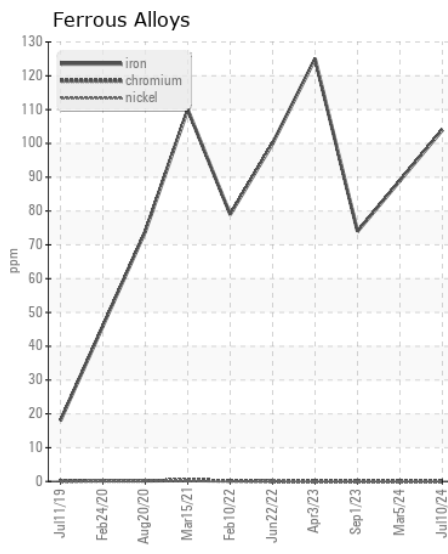
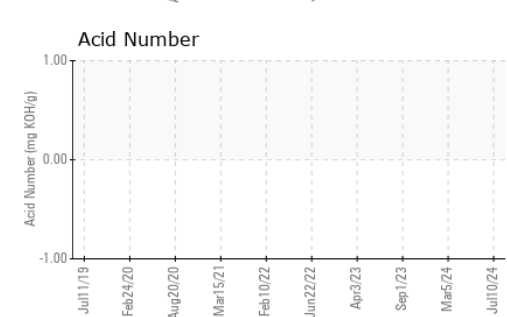
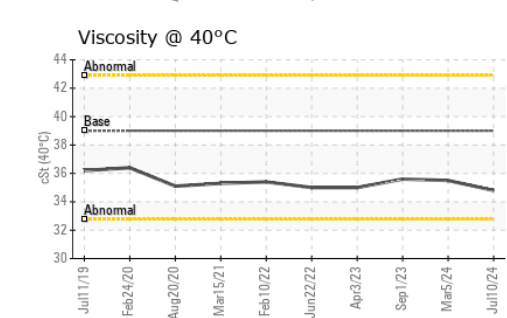
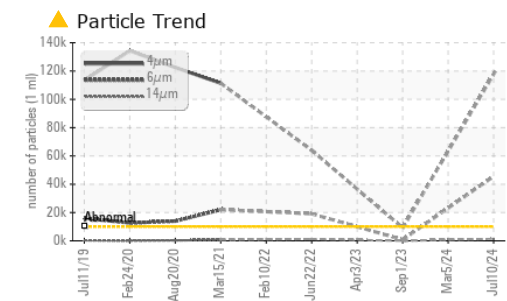
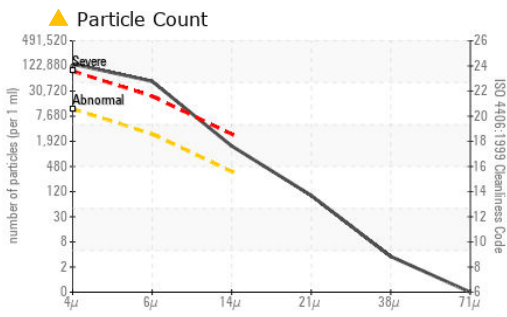
There is a high amount of particulates present in the fluid.

Silicon	ppm	ASTM D5185m	>20	4	3	2
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 117817	---	9148
Particles >6µm		ASTM D7647	>2500	▲ 45590	---	825
Particles >14µm		ASTM D7647	>320	▲ 1300	---	30
Particles >21µm		ASTM D7647	>80	▲ 86	---	6
Particles >38µm		ASTM D7647	>20	3	---	0
Particles >71µm		ASTM D7647	>4	0	---	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 24/23/17	---	20/17/12
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	▲ MODER	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		3	0	2
Boron	ppm	ASTM D5185m		113	156	151
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		1	2	<1
Magnesium	ppm	ASTM D5185m		9	11	2
Calcium	ppm	ASTM D5185m		194	121	80
Phosphorus	ppm	ASTM D5185m		332	300	310
Zinc	ppm	ASTM D5185m		59	32	6
Sulfur	ppm	ASTM D5185m		1475	1171	1350
Visc @ 40°C	cSt	ASTM D445	39	34.8	35.5	35.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0956028 **Received** : 12 Jul 2024
Lab Number : 06234758 **Tested** : 15 Jul 2024
Unique Number : 11123592 **Diagnosed** : 15 Jul 2024 - 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)

CAROLINA SUNROCK
 PO BOX 25
 BUTNER, NC
 US 27509

Contact: Leigh Dennis
 rdennis@thesunrockgroup.com

T: (919)575-4505

F: (919)575-0162