



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

Mobile Fleet

Machine Id

6461 6461

Component

Transmission (Auto)

Fluid

MOBIL DELVAC SYNTHETIC ATF (--- 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		WC0939245	WC0852360	WC0770964
Sample Date		Client Info		20 May 2024	29 Aug 2023	23 Mar 2023
Machine Age	hrs	Client Info		3163	2127	1290
Oil Age	hrs	Client Info		1036	2087	1250
Filter Age	hrs	Client Info		1036	2087	1250
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	70	55	42
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	<1	0	0
Aluminum	ppm	ASTM D5185m	>50	15	16	9
Lead	ppm	ASTM D5185m	>50	12	8	4
Copper	ppm	ASTM D5185m	>225	10	10	7
Tin	ppm	ASTM D5185m	>10	3	3	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

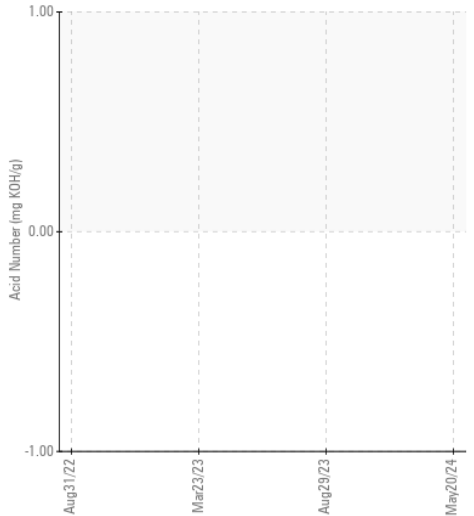
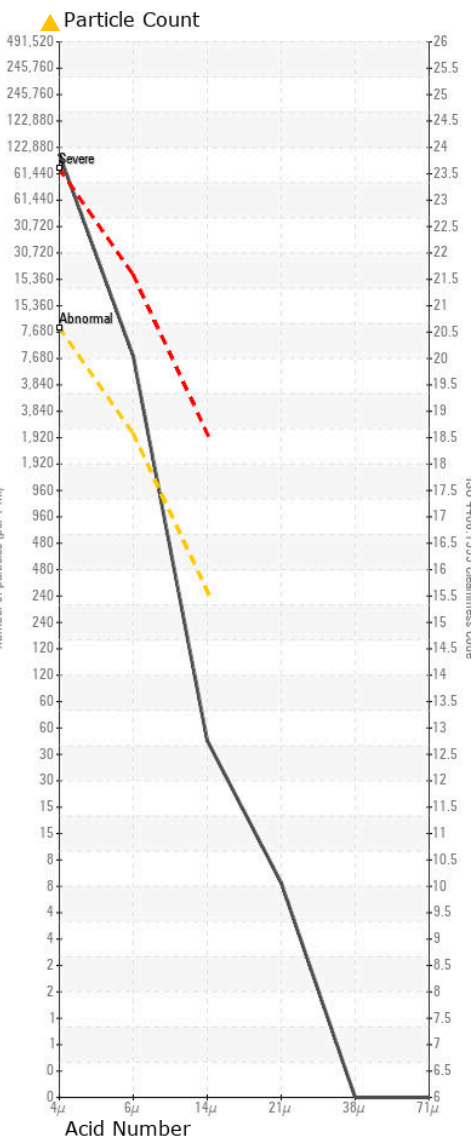
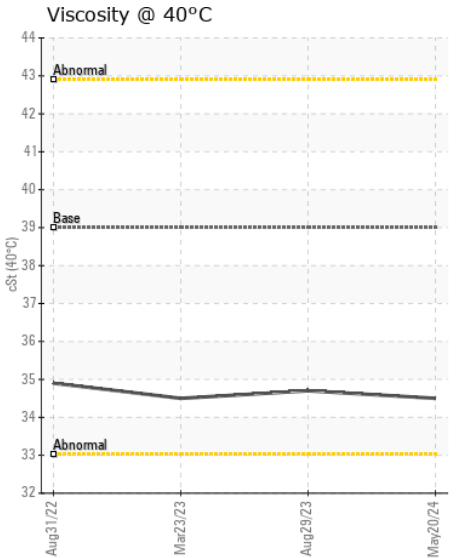
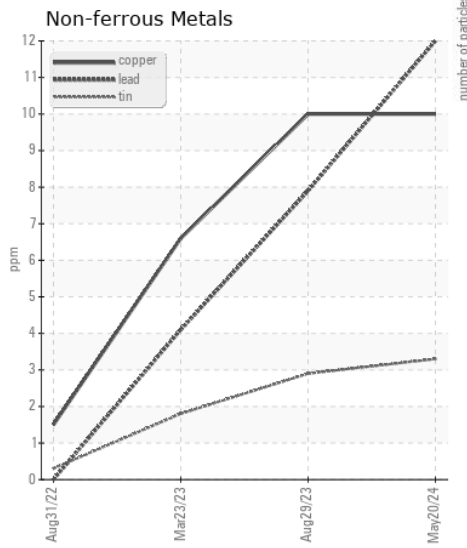
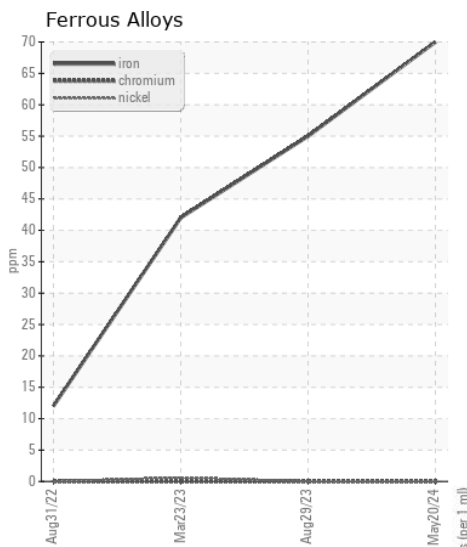
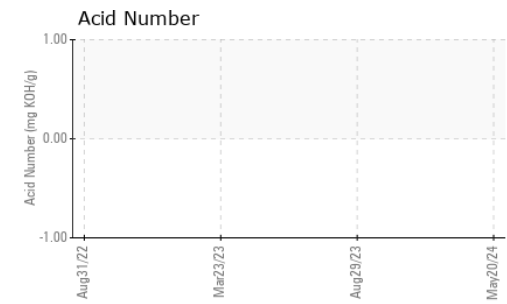
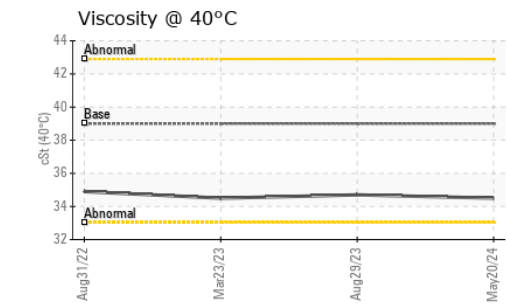
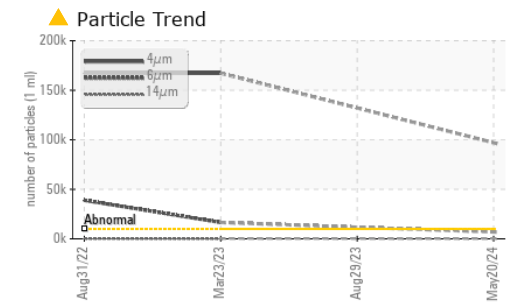
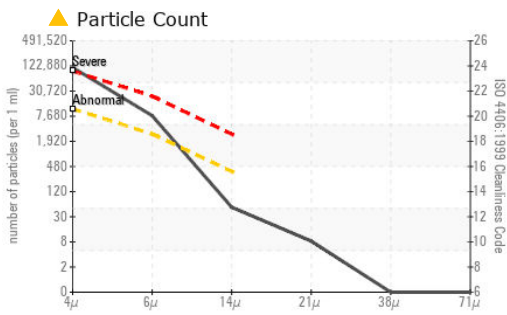
There is a high amount of silt (particulates < 14 microns in size) present in the fluid.

Silicon	ppm	ASTM D5185m	>20	5	4	2
Potassium	ppm	ASTM D5185m	>20	6	6	5
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 97042	---	▲ 167141
Particles >6µm		ASTM D7647	>2500	▲ 6887	---	▲ 16496
Particles >14µm		ASTM D7647	>320	45	---	119
Particles >21µm		ASTM D7647	>80	7	---	37
Particles >38µm		ASTM D7647	>20	0	---	2
Particles >71µm		ASTM D7647	>4	0	---	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 24/20/13	---	▲ 25/21/14
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		7	5	5
Boron	ppm	ASTM D5185m		105	120	125
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		2	1	1
Magnesium	ppm	ASTM D5185m		<1	1	<1
Calcium	ppm	ASTM D5185m		73	72	69
Phosphorus	ppm	ASTM D5185m		305	297	254
Zinc	ppm	ASTM D5185m		5	0	2
Sulfur	ppm	ASTM D5185m		2602	2106	1783
Visc @ 40°C	cSt	ASTM D445	39	34.5	34.7	34.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0939245 **Received** : 23 May 2024
Lab Number : 06189100 **Tested** : 28 May 2024
Unique Number : 11045852 **Diagnosed** : 28 May 2024 - 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)

CAROLINA SUNROCK
 PO BOX 25
 BUTNER, NC
 US 27509

Contact: Leigh Dennis
 rdennis@thesunrockgroup.com
 T: (919)575-4505
 F: (919)575-0162