



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Mobile Fleet
Machine Id
5215 5215
Component
Transmission (Auto)
Fluid
MOBIL MOBILFLUID 424 (16 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0956057	WC0919031	WC0861905
Sample Date		Client Info		09 Jul 2024	09 Apr 2024	29 Dec 2023
Machine Age	hrs	Client Info		12932	12329	11759
Oil Age	hrs	Client Info		552	2268	1698
Filter Age	hrs	Client Info		552	2268	1698
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	22	43	33
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	0	2	2
Lead	ppm	ASTM D5185m	>50	0	6	7
Copper	ppm	ASTM D5185m	>225	18	85	105
Tin	ppm	ASTM D5185m	>10	0	4	4
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

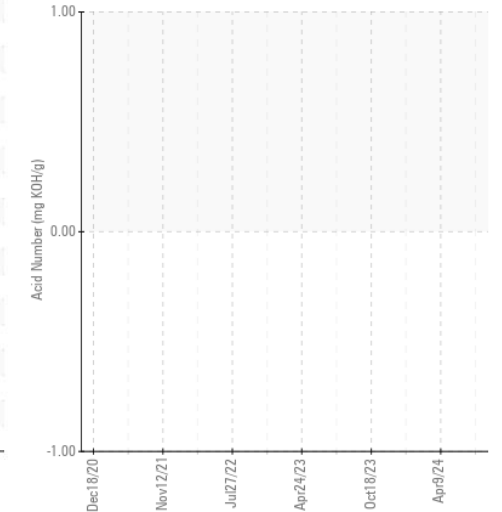
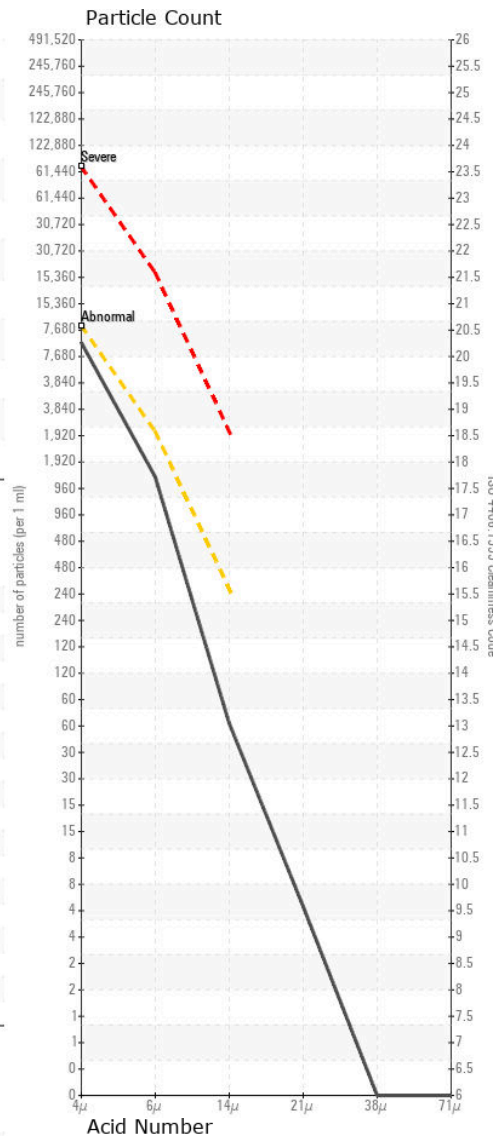
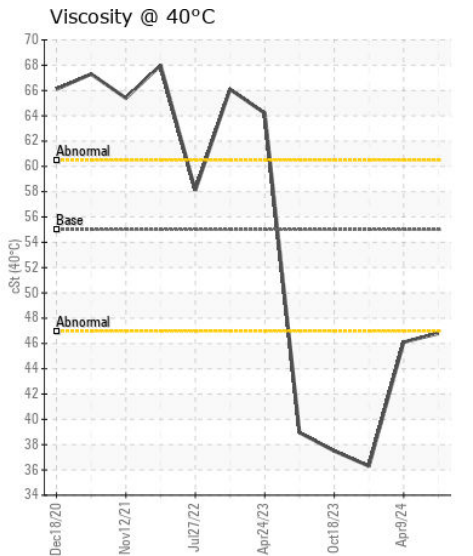
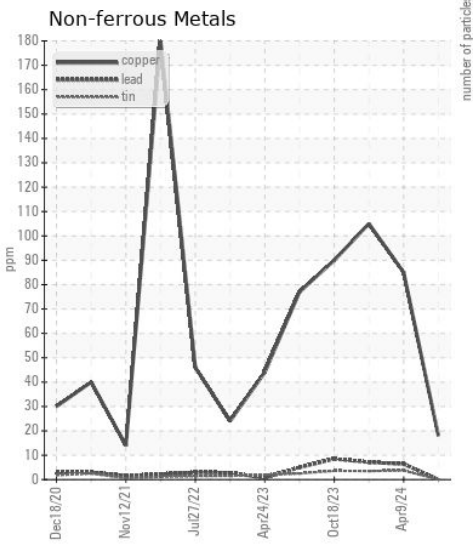
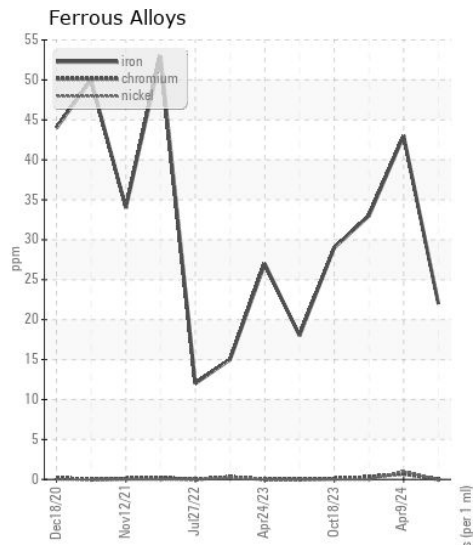
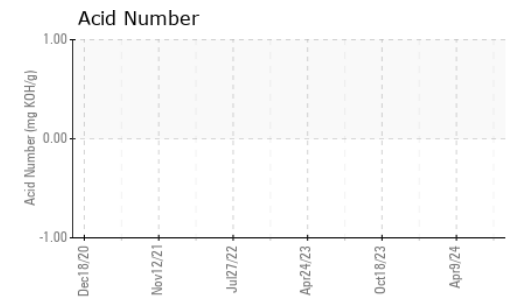
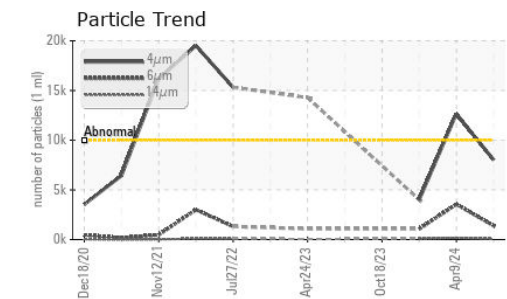
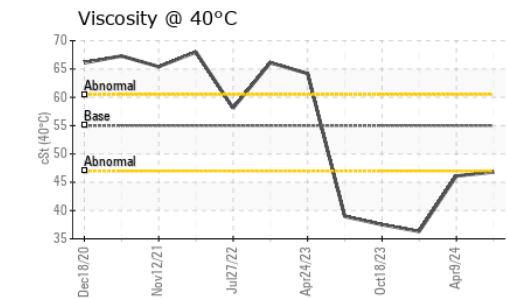
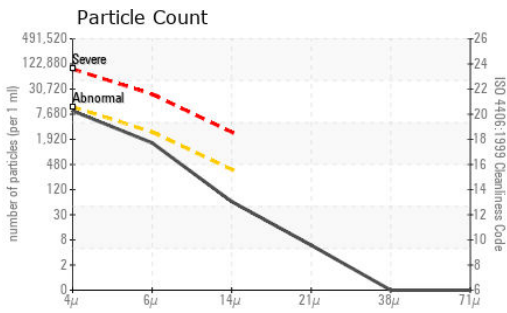
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	8	8	6
Potassium	ppm	ASTM D5185m	>20	0	2	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	8017	12644	4002
Particles >6µm		ASTM D7647	>2500	1381	3556	1073
Particles >14µm		ASTM D7647	>320	55	173	82
Particles >21µm		ASTM D7647	>80	5	32	15
Particles >38µm		ASTM D7647	>20	0	1	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/18/13	21/19/15	19/17/14
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		1	<1	0
Boron	ppm	ASTM D5185m		94	55	64
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		4	17	20
Manganese	ppm	ASTM D5185m		0	1	0
Magnesium	ppm	ASTM D5185m		74	106	144
Calcium	ppm	ASTM D5185m		3121	2581	2205
Phosphorus	ppm	ASTM D5185m		1215	924	858
Zinc	ppm	ASTM D5185m		1464	995	1038
Sulfur	ppm	ASTM D5185m		8688	5984	4260
Visc @ 40°C	cSt	ASTM D445	55	46.8	46.1	36.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0956057 **Received** : 11 Jul 2024
Lab Number : 06233150 **Tested** : 12 Jul 2024
Unique Number : 11116643 **Diagnosed** : 12 Jul 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