



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Mobile Fleet
Machine Id
5220 5220
Component
Transmission (Auto)
Fluid
MOBIL MOBILFLUID 424 (7 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0937921	WC0918997	WC0852497
Sample Date		Client Info		12 Jun 2024	20 Mar 2024	08 Sep 2023
Machine Age	hrs	Client Info		9669	9049	8164
Oil Age	hrs	Client Info		583	2102	1217
Filter Age	hrs	Client Info		583	2102	1217
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	70	94	64
Chromium	ppm	ASTM D5185m	>5	0	0	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>5	0	<1	0
Aluminum	ppm	ASTM D5185m	>50	2	2	0
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>225	17	26	16
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

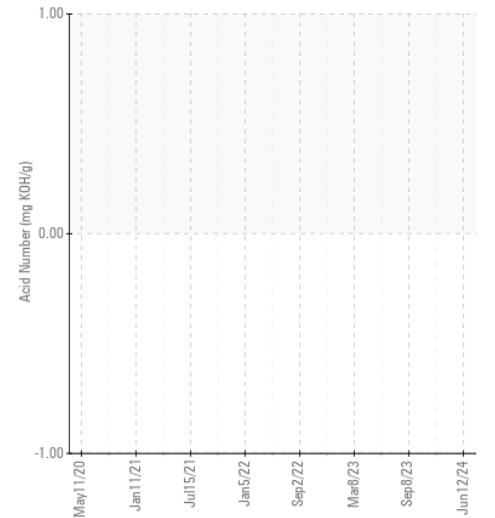
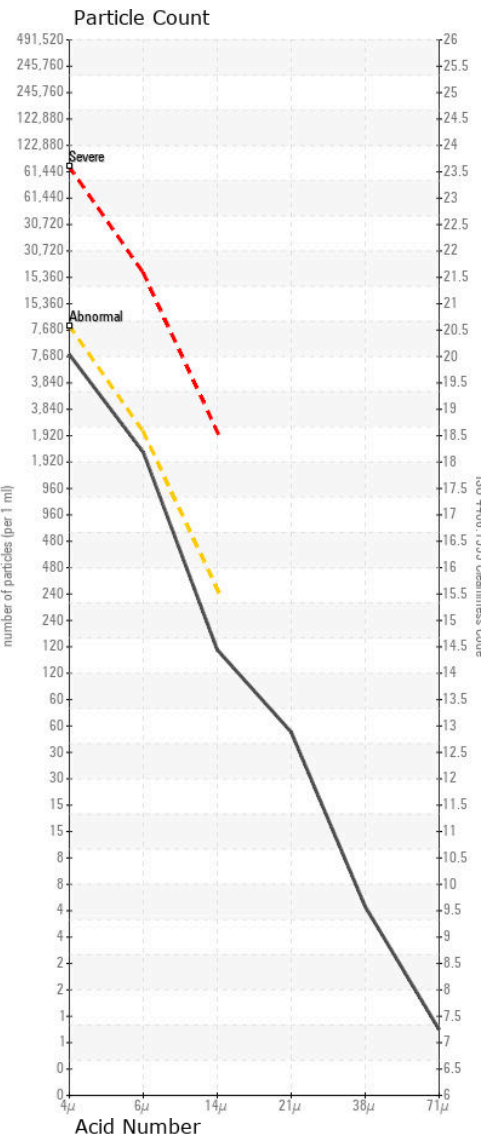
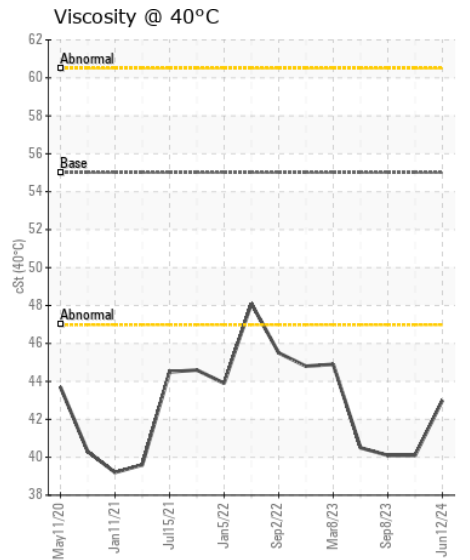
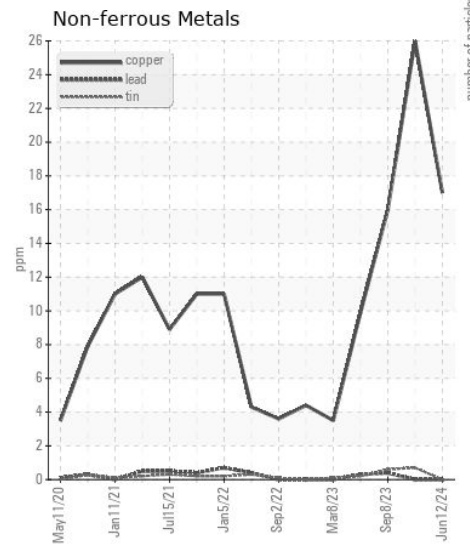
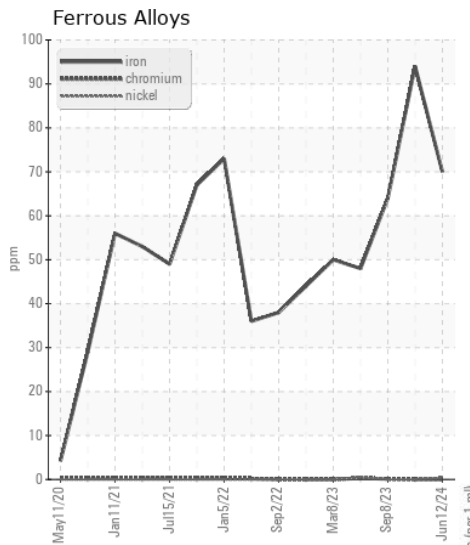
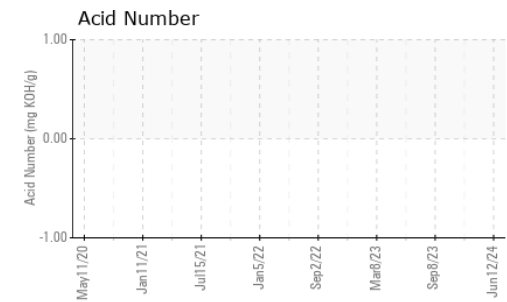
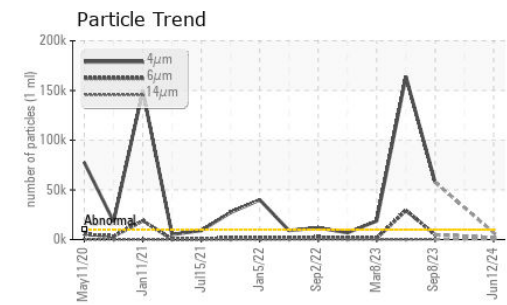
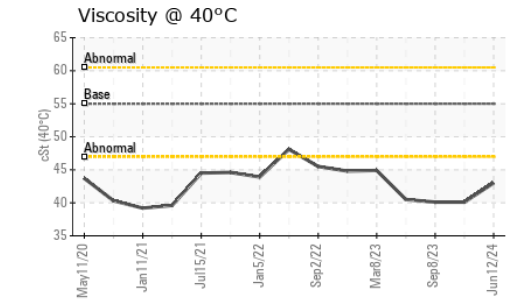
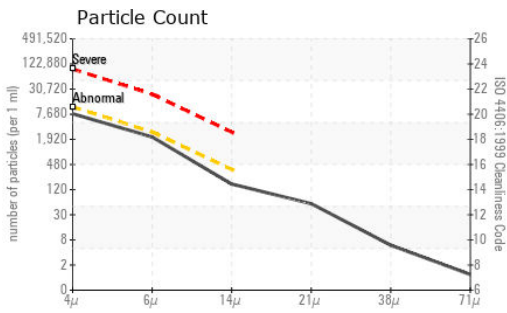
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	7	8	6
Potassium	ppm	ASTM D5185m	>20	2	<1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	6866	---	▲ 57627
Particles >6µm		ASTM D7647	>2500	1912	---	▲ 4809
Particles >14µm		ASTM D7647	>320	144	---	73
Particles >21µm		ASTM D7647	>80	49	---	11
Particles >38µm		ASTM D7647	>20	5	---	1
Particles >71µm		ASTM D7647	>4	1	---	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/18/14	---	▲ 23/19/13
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ 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		20	32	33
Boron	ppm	ASTM D5185m		84	23	30
Barium	ppm	ASTM D5185m		<1	<1	0
Molybdenum	ppm	ASTM D5185m		13	2	3
Manganese	ppm	ASTM D5185m		2	2	1
Magnesium	ppm	ASTM D5185m		67	82	80
Calcium	ppm	ASTM D5185m		2946	2996	3046
Phosphorus	ppm	ASTM D5185m		999	1053	994
Zinc	ppm	ASTM D5185m		1159	1179	1174
Sulfur	ppm	ASTM D5185m		6017	4737	4801
Visc @ 40°C	cSt	ASTM D445	55	43.0	40.1	40.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0937921 **Received** : 14 Jun 2024
Lab Number : 06209949 **Tested** : 17 Jun 2024
Unique Number : 11082813 **Diagnosed** : 17 Jun 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)

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