



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL



Area  
**Mobile Fleet**  
Machine Id  
**5206 5206**  
Component  
**Transmission (Auto)**  
Fluid  
**MOBIL MOBILFLUID 424 (11 GAL)**

## RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0947928	WC0885968	WC0834899
Sample Date		Client Info		27 Jun 2024	19 Jan 2024	14 Jul 2023
Machine Age	hrs	Client Info		11528	11110	10599
Oil Age	hrs	Client Info		929	511	2512
Filter Age	hrs	Client Info		929	511	2512
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	13	18	22
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	2	3
Lead	ppm	ASTM D5185m	>50	3	1	2
Copper	ppm	ASTM D5185m	>225	11	8	15
Tin	ppm	ASTM D5185m	>10	1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

## CONTAMINATION

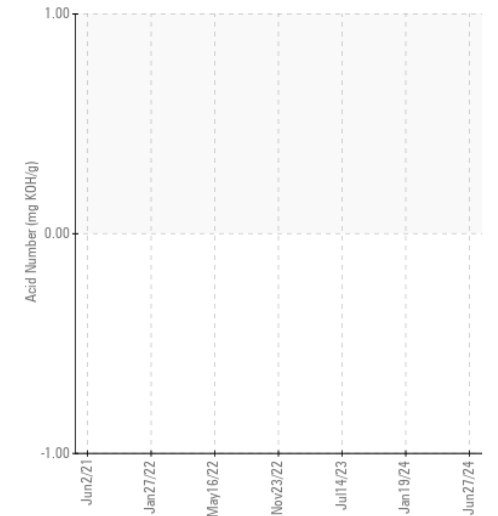
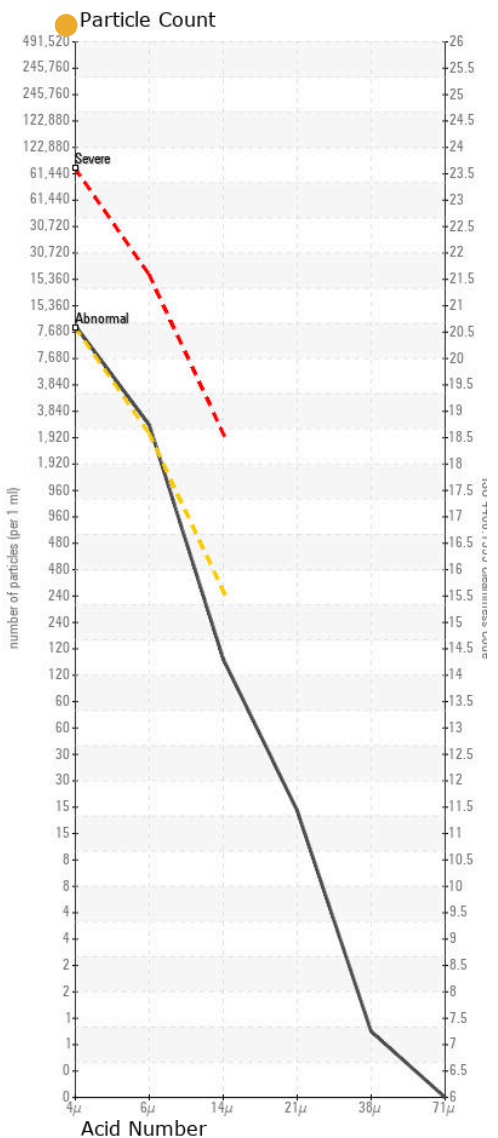
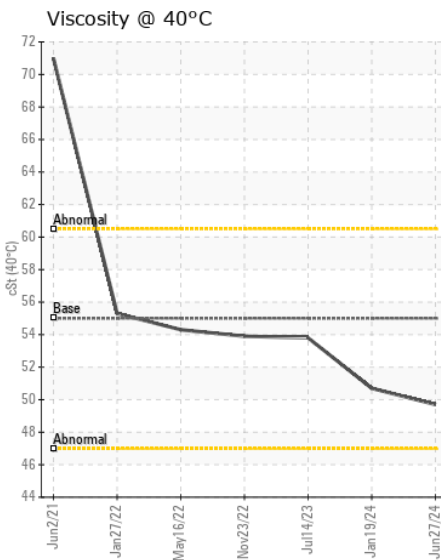
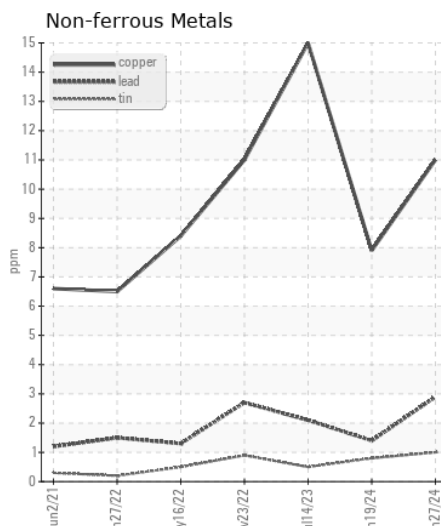
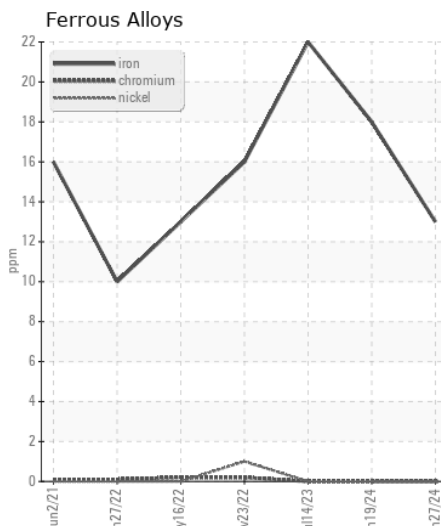
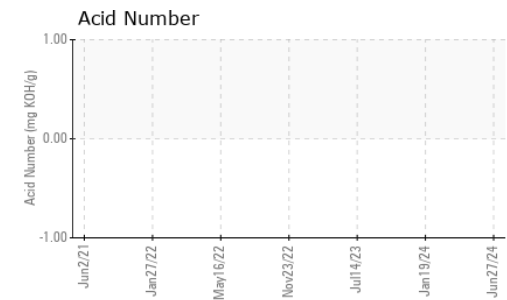
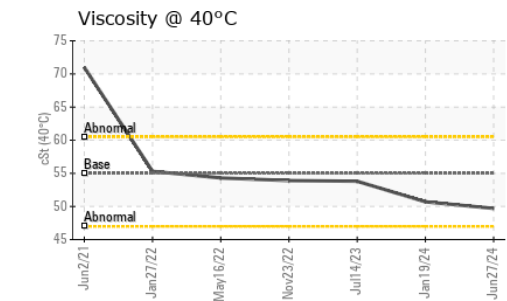
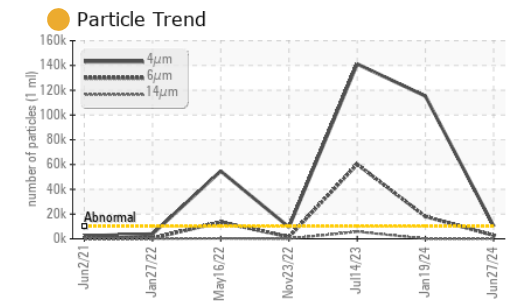
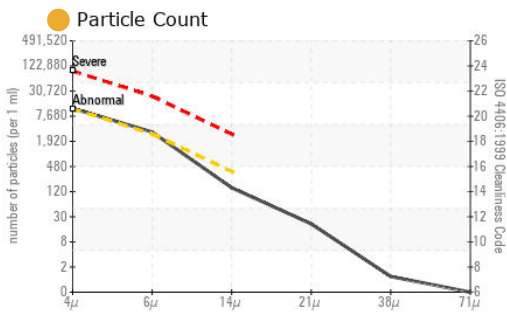
There is a moderate amount of silt (particulates < 14 microns in size) present in the fluid.

Silicon	ppm	ASTM D5185m	>20	10	11	10
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	10274	115273	141181
Particles >6µm		ASTM D7647	>2500	2800	18017	60200
Particles >14µm		ASTM D7647	>320	131	70	5770
Particles >21µm		ASTM D7647	>80	18	8	1486
Particles >38µm		ASTM D7647	>20	1	0	54
Particles >71µm		ASTM D7647	>4	0	0	1
Oil Cleanliness		ISO 4406 (c)	>20/18/15	21/19/14	24/21/13	24/23/20
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
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	6	7
Boron	ppm	ASTM D5185m		105	108	88
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		15	16	25
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		52	50	33
Calcium	ppm	ASTM D5185m		3569	3349	3380
Phosphorus	ppm	ASTM D5185m		1250	1164	1091
Zinc	ppm	ASTM D5185m		1534	1380	1365
Sulfur	ppm	ASTM D5185m		10072	6886	7453
Visc @ 40°C	cSt	ASTM D445	55	49.7	50.7	53.8



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0947928 **Received** : 01 Jul 2024  
**Lab Number** : 06224978 **Tested** : 03 Jul 2024  
**Unique Number** : 11103175 **Diagnosed** : 03 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PrtCount )

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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)