



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

**Contracting**

Machine Id

**5605 5605**

Component

**Rear Axle**

Fluid

**MOBIL MOBILFLUID 424 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0947792	---	---
Sample Date		Client Info		11 Jun 2024	---	---
Machine Age	hrs	Client Info		1836	---	---
Oil Age	hrs	Client Info		551	---	---
Filter Age	hrs	Client Info		551	---	---
Oil Changed		Client Info		Not Chngd	---	---
Filter Changed		Client Info		Not Chngd	---	---
Sample Status				NORMAL	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>750	277	---	---
Chromium	ppm	ASTM D5185m	>11	1	---	---
Nickel	ppm	ASTM D5185m	>10	2	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>21	1	---	---
Lead	ppm	ASTM D5185m	>49	<1	---	---
Copper	ppm	ASTM D5185m	>101	24	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

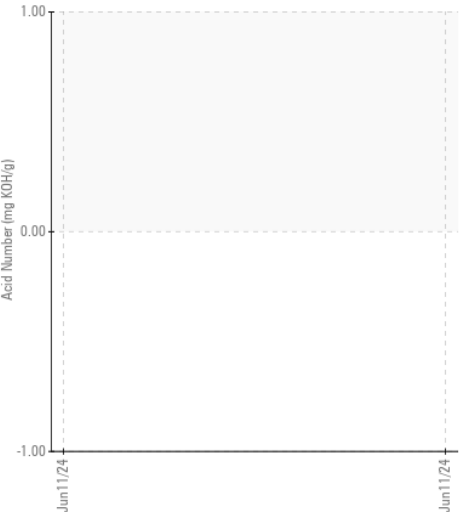
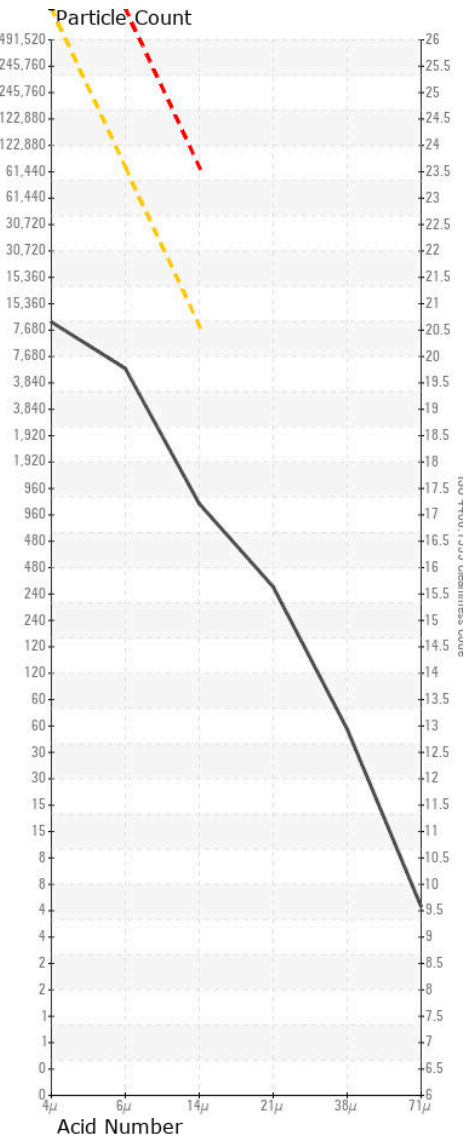
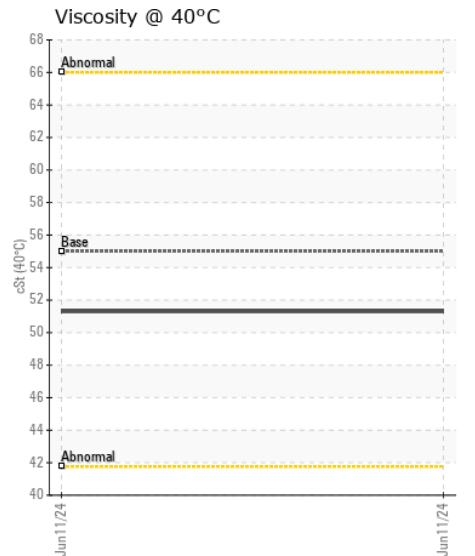
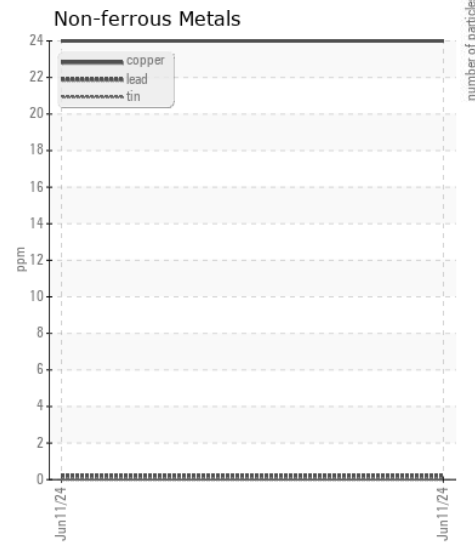
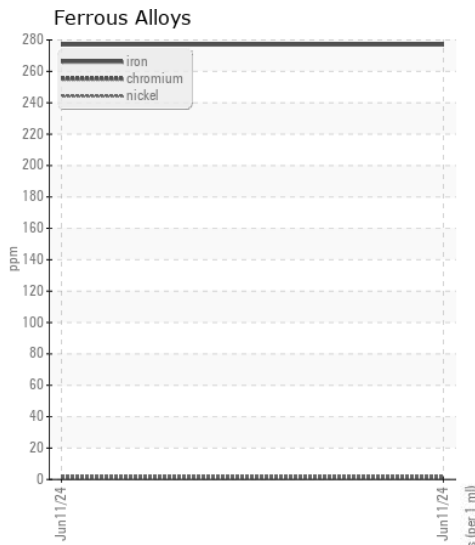
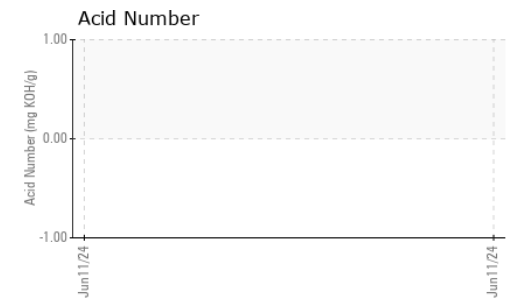
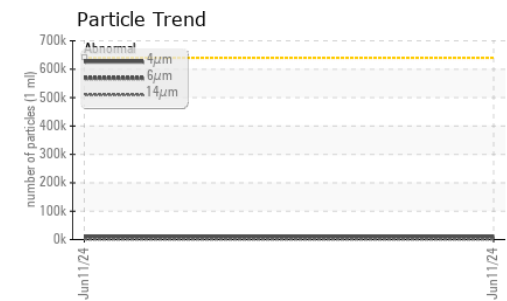
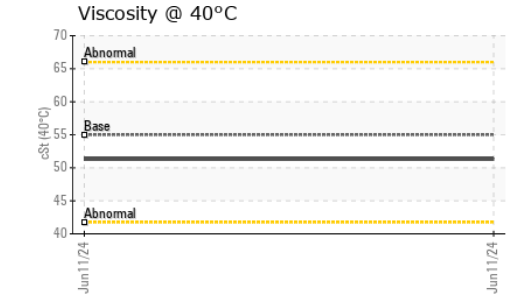
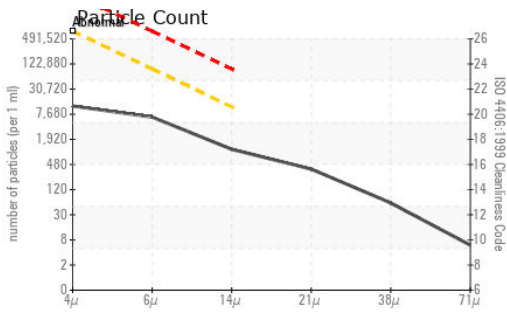
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>31	14	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method	>0.1	NEG	---	---
Particles >4µm		ASTM D7647	>640000	10492	---	---
Particles >6µm		ASTM D7647	>80000	5716	---	---
Particles >14µm		ASTM D7647	>10000	973	---	---
Particles >21µm		ASTM D7647	>2500	328	---	---
Particles >38µm		ASTM D7647	>640	51	---	---
Particles >71µm		ASTM D7647	>160	5	---	---
Oil Cleanliness		ISO 4406 (c)	>26/23/20	21/20/17	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	HEAVY	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	7	---	---
Boron	ppm	ASTM D5185m		1	---	---
Barium	ppm	ASTM D5185m		4	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		6	---	---
Magnesium	ppm	ASTM D5185m		98	---	---
Calcium	ppm	ASTM D5185m		3396	---	---
Phosphorus	ppm	ASTM D5185m		1001	---	---
Zinc	ppm	ASTM D5185m		1179	---	---
Sulfur	ppm	ASTM D5185m		3885	---	---
Visc @ 40°C	cSt	ASTM D445	55	51.3	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : WC0947792 Received : 14 Jun 2024  
 Lab Number : 06209941 Tested : 20 Jun 2024  
 Unique Number : 11082805 Diagnosed : 20 Jun 2024 - Jonathan Hester  
 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