



WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**JOHN DEERE 644 P 1DW644PAVNLZ13993**

Component  
**Front Differential**

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

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0172465	---	---
Sample Date		Client Info		04 Apr 2024	---	---
Machine Age	hrs	Client Info		2798	---	---
Oil Age	hrs	Client Info		500	---	---
Filter Age	hrs	Client Info		500	---	---
Oil Changed		Client Info		Not Chngd	---	---
Filter Changed		Client Info		Not Chngd	---	---
Sample Status				ABNORMAL	---	---

### WEAR

Bearing and/or bushing wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		14	---	---
Iron	ppm	ASTM D5185m	>500	13	---	---
Chromium	ppm	ASTM D5185m	>10	0	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	0	---	---
Lead	ppm	ASTM D5185m	>25	▲ 26	---	---
Copper	ppm	ASTM D5185m	>100	▲ 108	---	---
Tin	ppm	ASTM D5185m	>10	8	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

### CONTAMINATION

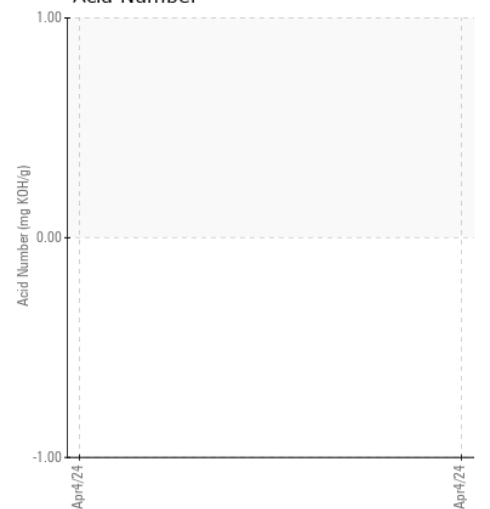
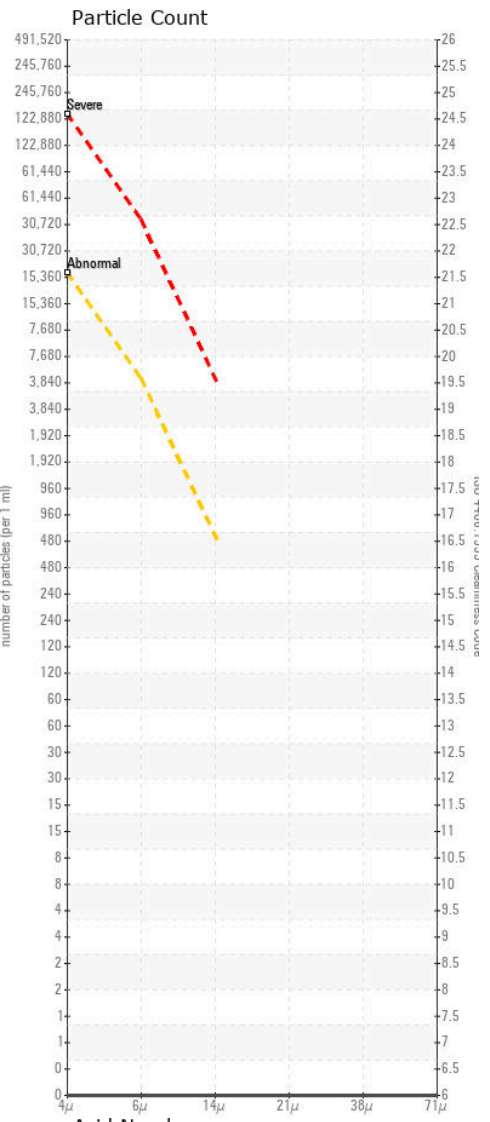
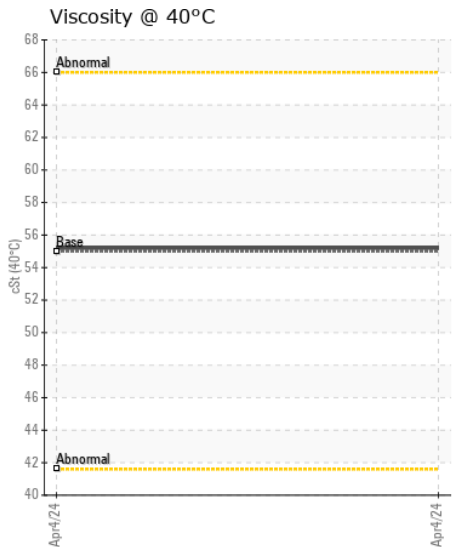
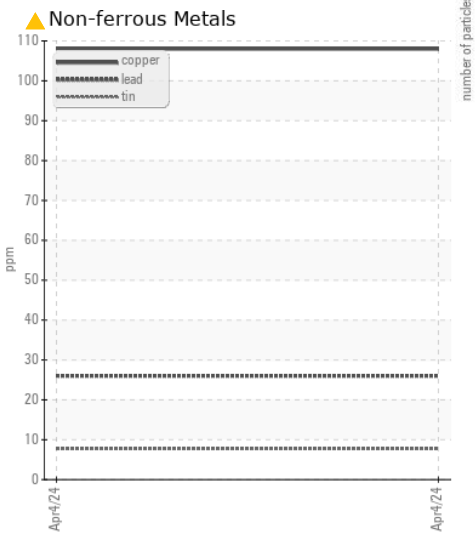
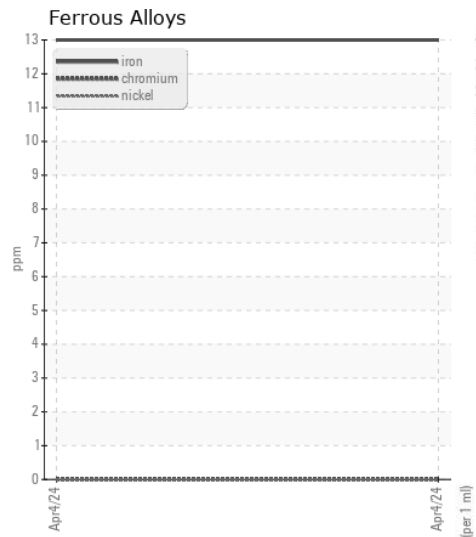
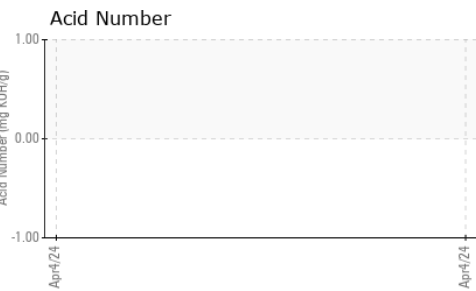
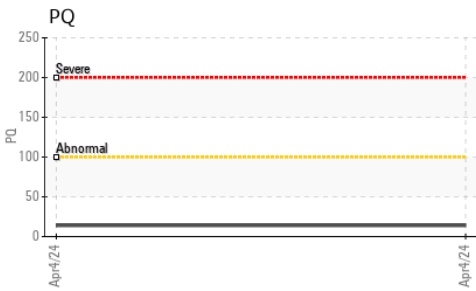
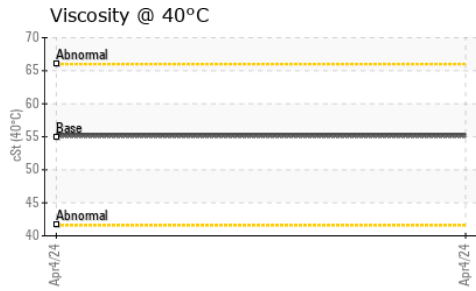
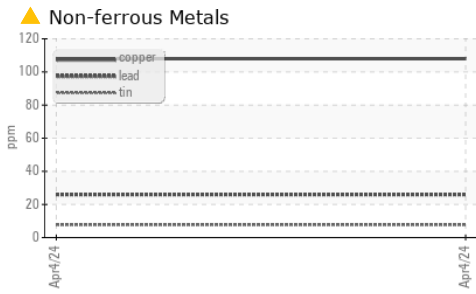
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>75	6	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water		WC Method	>.2	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>.2	NEG	---	---

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		<1	---	---
Boron	ppm	ASTM D5185m		92	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		0	---	---
Magnesium	ppm	ASTM D5185m		63	---	---
Calcium	ppm	ASTM D5185m		3339	---	---
Phosphorus	ppm	ASTM D5185m		1141	---	---
Zinc	ppm	ASTM D5185m		1374	---	---
Sulfur	ppm	ASTM D5185m		7486	---	---
Visc @ 40°C	cSt	ASTM D445	55	55.2	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0172465 **Received** : 15 Apr 2024  
**Lab Number** : 06148556 **Tested** : 16 Apr 2024  
**Unique Number** : 10978634 **Diagnosed** : 17 Apr 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ, PrtCount )

**SCOTTS EARTH GROW**  
 7601 GENERAL MAHONE HWY  
 WAVERLY, VA  
 US 23890  
 Contact: JW  
 jerald.tappiii@scotts.com  
 T: (804)834-3986  
 F: (804)834-3989

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)