



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

Machine Id  
**JOHN DEERE 744P 1dw744pavpll06872**  
 Component  
**Rear Axle**  
 Fluid  
**TDH FLUID SAE 75W80 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDH FLUID SAE 75W80. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0208765</b>	JR0193947	JR0186707
Sample Date		Client Info		<b>18 Mar 2024</b>	11 Jan 2024	03 Oct 2023
Machine Age	hrs	Client Info		<b>1450</b>	1103	556
Oil Age	hrs	Client Info		<b>347</b>	547	556
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>18</b>	20	21
Iron	ppm	ASTM D5185m	>750	<b>25</b>	49	47
Chromium	ppm	ASTM D5185m	>11	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>&lt;1</b>	1	0
Lead	ppm	ASTM D5185m	>49	<b>&lt;1</b>	0	1
Copper	ppm	ASTM D5185m	>101	<b>34</b>	89	44
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

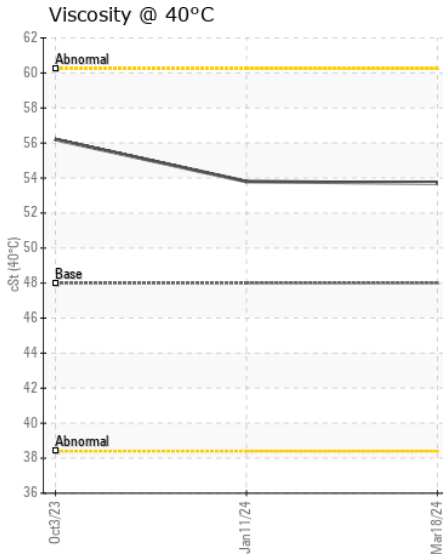
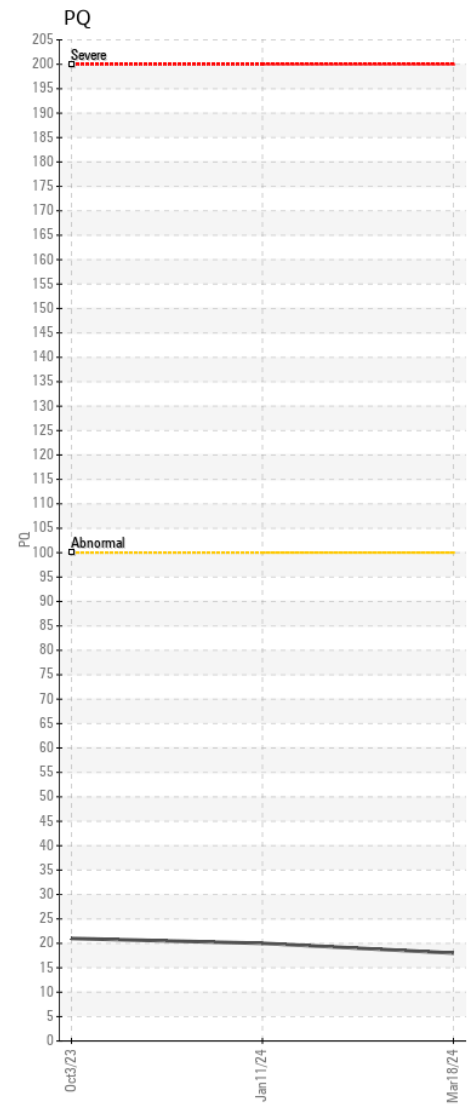
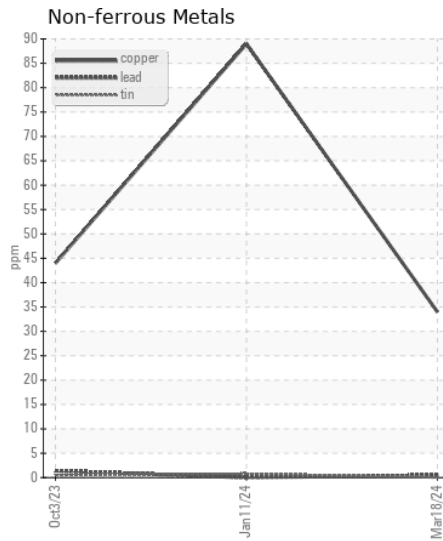
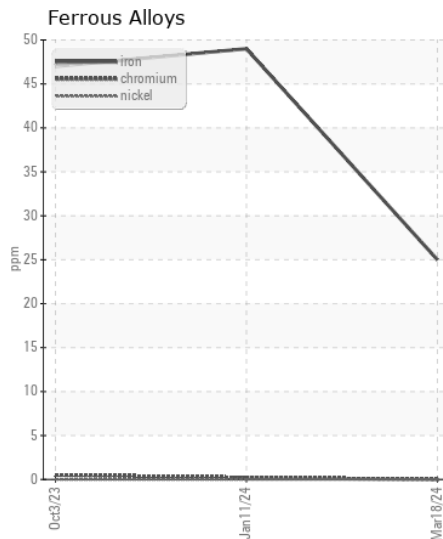
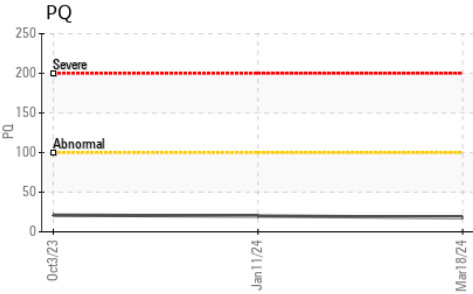
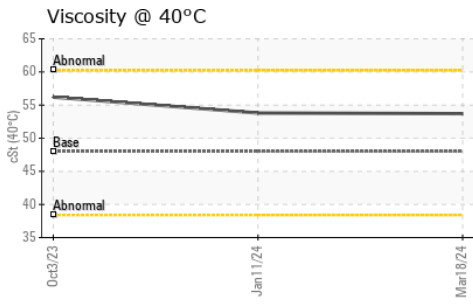
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>6</b>	8	5
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>1</b>	2	5
Boron	ppm	ASTM D5185m	10	<b>0</b>	<1	0
Barium	ppm	ASTM D5185m	10	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m	10	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	2	2
Magnesium	ppm	ASTM D5185m	100	<b>93</b>	99	99
Calcium	ppm	ASTM D5185m	3500	<b>3195</b>	3117	3393
Phosphorus	ppm	ASTM D5185m	1150	<b>979</b>	990	1009
Zinc	ppm	ASTM D5185m	1150	<b>1058</b>	1001	1211
Sulfur	ppm	ASTM D5185m	5000	<b>3842</b>	3310	3535
Visc @ 40°C	cSt	ASTM D445	48	<b>53.7</b>	53.8	56.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0208765

**Lab Number** : 06123925

**Unique Number** : 10938076

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 20 Mar 2024

**Tested** : 21 Mar 2024

**Diagnosed** : 21 Mar 2024 - Wes Davis

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)

**JRE - GREENVILLE**

3604 HIGHWAY 264 E

GREENVILLE, NC

US 27834-5800

Contact: GREENVILLE SHOP

christopher.martin@jamesriverequipment.com

T:

F: