



# OIL ANALYSIS REPORT

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



Area  
**CHRISTOPHER CONTRACTING [A35176]**  
Machine Id  
**JOHN DEERE 524P 1DW524PAJMLZ12954**  
Component  
**Hydraulic System**  
Fluid  
**JOHN DEERE HYDRAU (40 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: A35176 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0006556</b>	WE0005866	WE0004869
Sample Date		Client Info		<b>17 Apr 2024</b>	26 Dec 2023	16 Aug 2023
Machine Age	hrs	Client Info		<b>1945</b>	1512	1005
Oil Age	hrs	Client Info		<b>1945</b>	1512	1005
Filter Age	hrs	Client Info		<b>1945</b>	1512	1005
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>None</b>	None	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>16</b>	15	11
Iron	ppm	ASTM D5185m	>71	<b>3</b>	2	3
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>6	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>11	<b>2</b>	2	2
Lead	ppm	ASTM D5185m	>13	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>21	<b>2</b>	<1	1
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

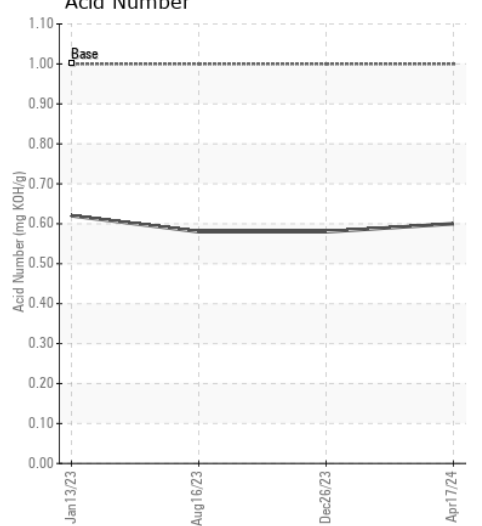
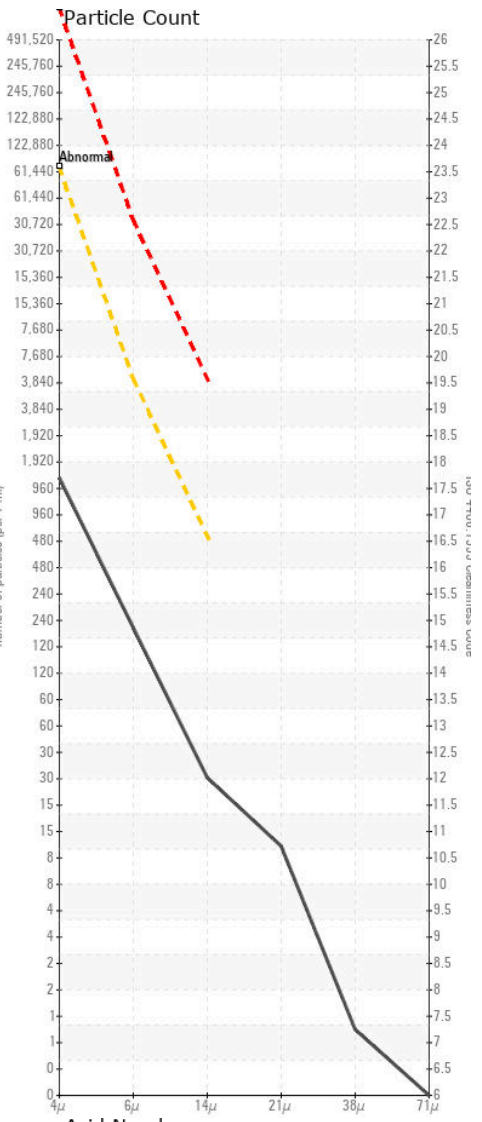
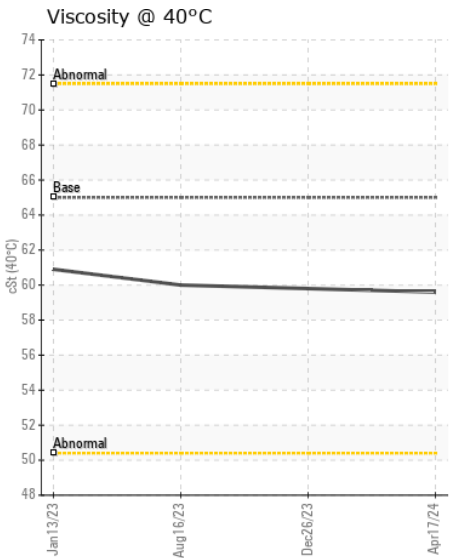
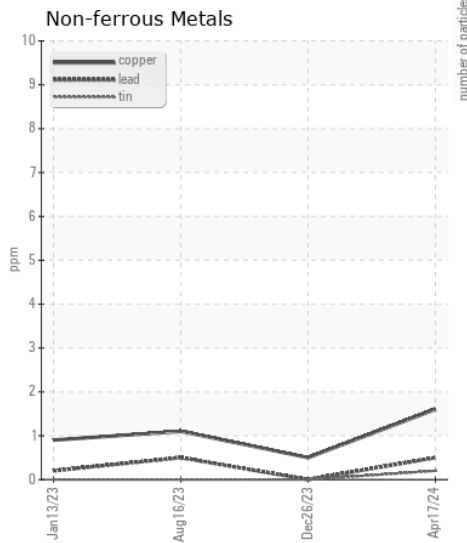
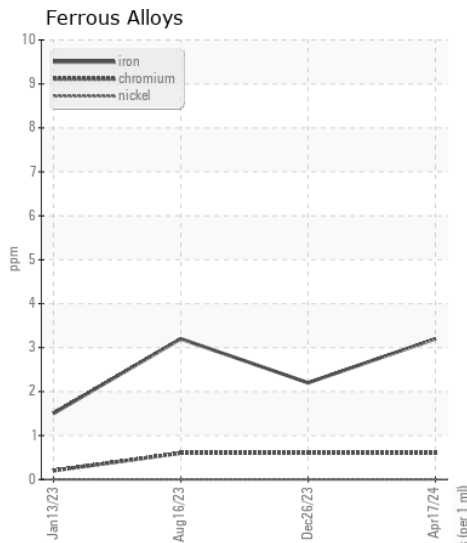
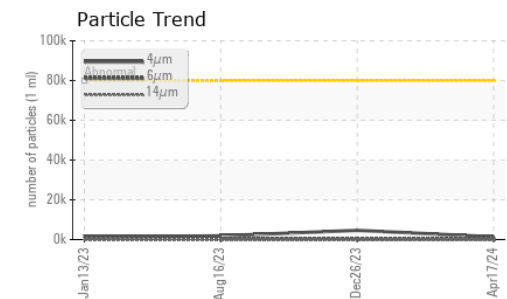
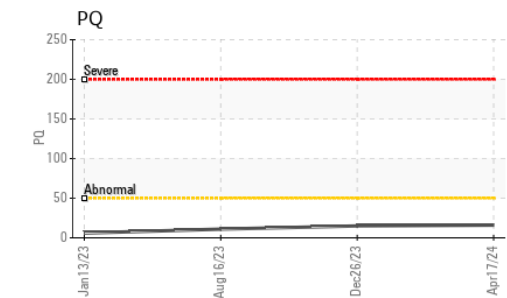
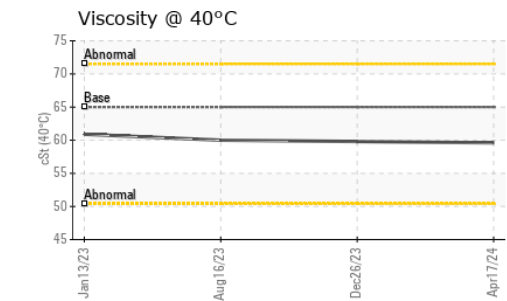
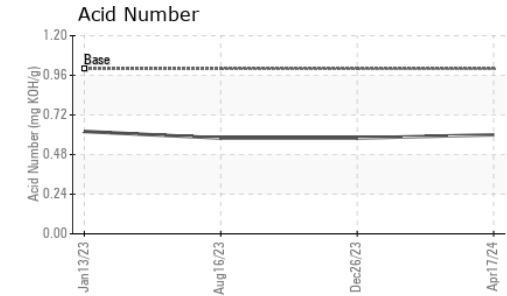
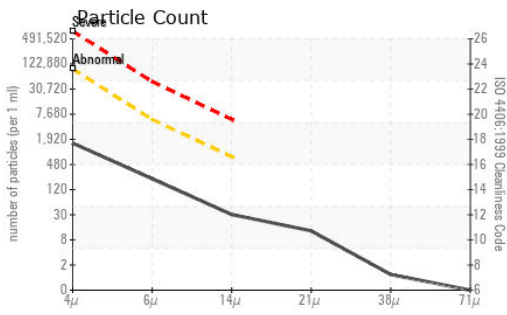
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>24	<b>4</b>	3	3
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	2	4
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>80000	<b>1367</b>	4644	1872
Particles >6µm		ASTM D7647	>5000	<b>192</b>	115	238
Particles >14µm		ASTM D7647	>640	<b>27</b>	13	17
Particles >21µm		ASTM D7647	>160	<b>11</b>	3	4
Particles >38µm		ASTM D7647	>40	<b>1</b>	0	0
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	<b>18/15/12</b>	19/14/11	18/15/11
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	>0.075	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>21	<b>5</b>	3	1
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>4</b>	0	2
Calcium	ppm	ASTM D5185m	87	<b>90</b>	88	89
Phosphorus	ppm	ASTM D5185m	727	<b>652</b>	597	602
Zinc	ppm	ASTM D5185m	900	<b>824</b>	767	814
Sulfur	ppm	ASTM D5185m	1500	<b>1878</b>	1498	1600
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.60</b>	0.58	0.58
Visc @ 40°C	cSt	ASTM D445	65	<b>59.6</b>	59.8	60.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0006556 **Received** : 19 Apr 2024  
**Lab Number** : 06154219 **Tested** : 25 Apr 2024  
**Unique Number** : 10989642 **Diagnosed** : 25 Apr 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

**WARRIOR TRACTOR AND EQUIPMENT - HUNTSVILLE**  
 25135 ONE AVIATION WAY SW  
 MADISON, AL  
 US 35756  
 Contact: BOBBY LUCKY  
 warriorparts033@gmail.com

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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