



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**JOHN DEERE 624P 1DW624PAANLZ16271**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HYDRAU (--- QTS)**

## RECOMMENDATION

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0006975</b>	WE0006462	WE0005162
Sample Date		Client Info		<b>12 Apr 2024</b>	29 Dec 2023	19 Oct 2023
Machine Age	hrs	Client Info		<b>3973</b>	3451	2957
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	N/A	Not Changd
Filter Changed		Client Info		<b>Changed</b>	N/A	Not Changd
Sample Status				<b>ABNORMAL</b>	ATTENTION	SEVERE

## WEAR

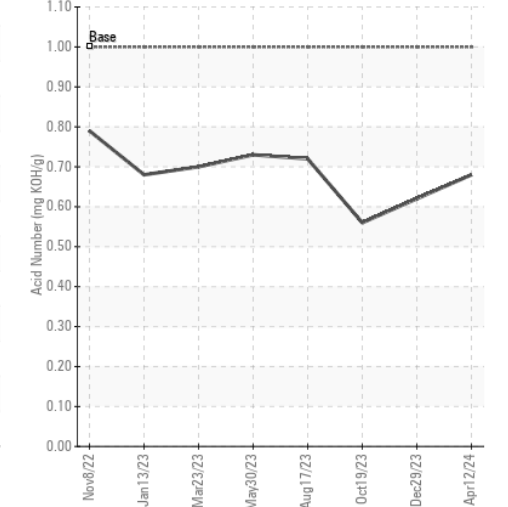
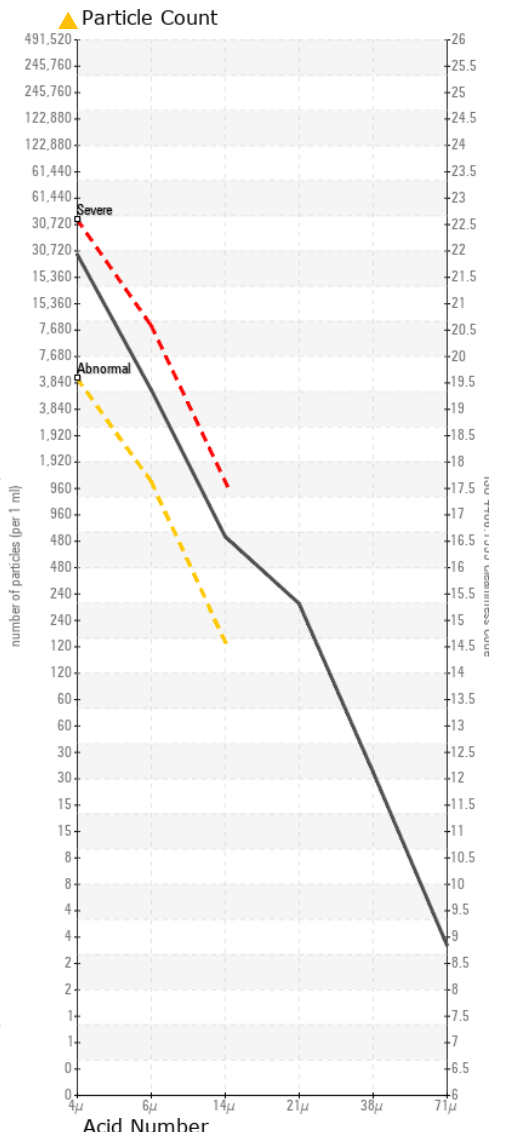
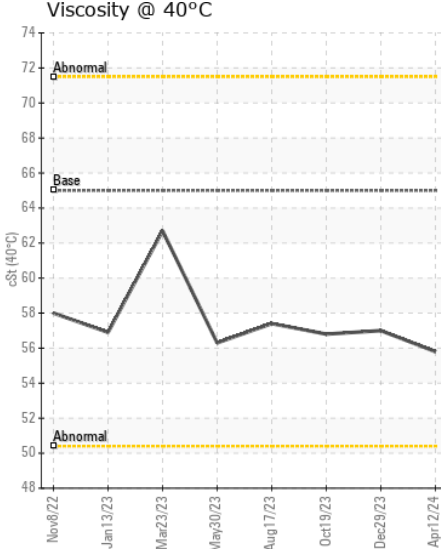
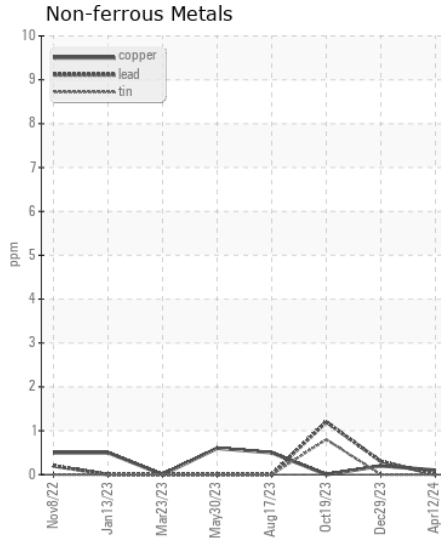
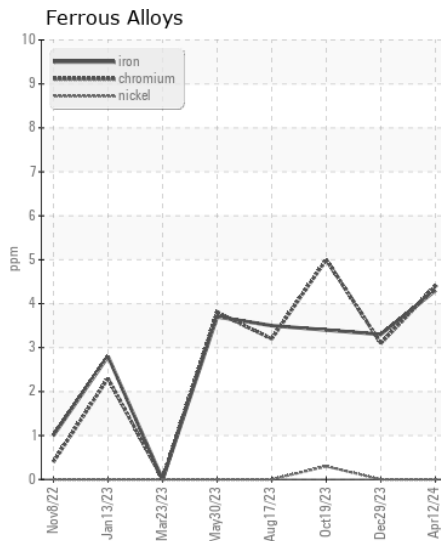
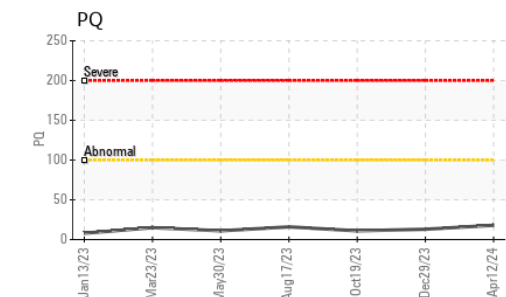
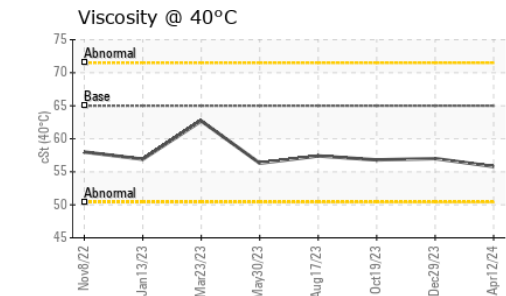
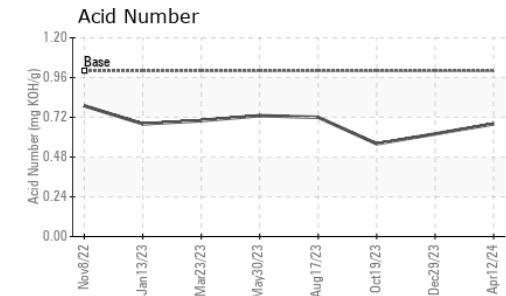
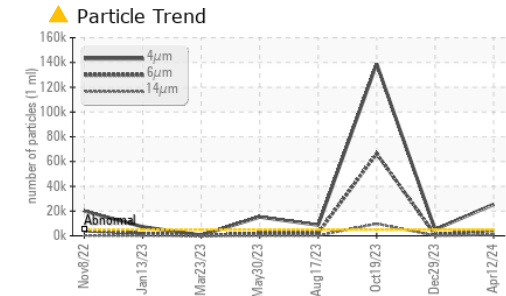
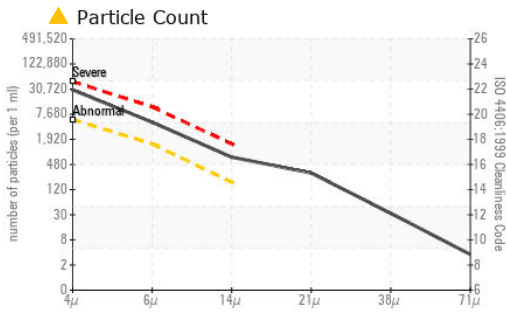
PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>18</b>	13	11
Iron	ppm	ASTM D5185m	>20	<b>4</b>	3	3
Chromium	ppm	ASTM D5185m	>10	<b>4</b>	3	5
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	2	4
Lead	ppm	ASTM D5185m	>10	<b>0</b>	<1	1
Copper	ppm	ASTM D5185m	>75	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
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

Silicon	ppm	ASTM D5185m	>20	<b>5</b>	2	6
Potassium	ppm	ASTM D5185m	>20	<b>9</b>	2	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>▲ 25390</b>	● 5117	▲ 138853
Particles >6µm		ASTM D7647	>1300	<b>▲ 4311</b>	889	▲ 66291
Particles >14µm		ASTM D7647	>160	<b>▲ 633</b>	77	▲ 9764
Particles >21µm		ASTM D7647	>40	<b>▲ 263</b>	15	▲ 2740
Particles >38µm		ASTM D7647	>10	<b>▲ 29</b>	1	▲ 39
Particles >71µm		ASTM D7647	>3	<b>3</b>	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 22/19/16</b>	● 20/17/13	▲ 24/23/20
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>▲ MODER</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

Sodium	ppm	ASTM D5185m		<b>4</b>	0	3
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>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>19</b>	10	29
Calcium	ppm	ASTM D5185m	87	<b>775</b>	428	790
Phosphorus	ppm	ASTM D5185m	727	<b>641</b>	710	757
Zinc	ppm	ASTM D5185m	900	<b>783</b>	903	993
Sulfur	ppm	ASTM D5185m	1500	<b>2023</b>	2051	2133
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.68</b>	0.62	0.56
Visc @ 40°C	cSt	ASTM D445	65	<b>55.8</b>	57.0	56.8



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0006975 **Received** : 17 Apr 2024  
**Lab Number** : 06151894 **Tested** : 18 Apr 2024  
**Unique Number** : 10981972 **Diagnosed** : 19 Apr 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT**  
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 T: (205)339-0300  
 F:

Certificate L2367  
 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)