



# OIL ANALYSIS REPORT

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

Machine Id  
**JOHN DEERE 844P 1DW844PQCPLX06725**  
 Component  
**Rear Differential**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0006905</b>	WE0007026	WE0006485
Sample Date		Client Info		<b>17 May 2024</b>	25 Mar 2024	29 Dec 2023
Machine Age	hrs	Client Info		<b>2000</b>	1548	979
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>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>133</b>	139	151
Iron	ppm	ASTM D5185m	>500	<b>240</b>	240	213
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	2	2
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	2	2
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	2	2
Lead	ppm	ASTM D5185m	>25	<b>12</b>	10	7
Copper	ppm	ASTM D5185m	>100	<b>231</b>	212	136
Tin	ppm	ASTM D5185m	>10	<b>7</b>	8	6
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

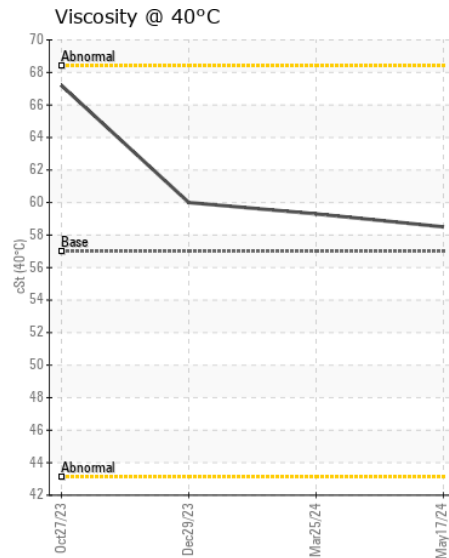
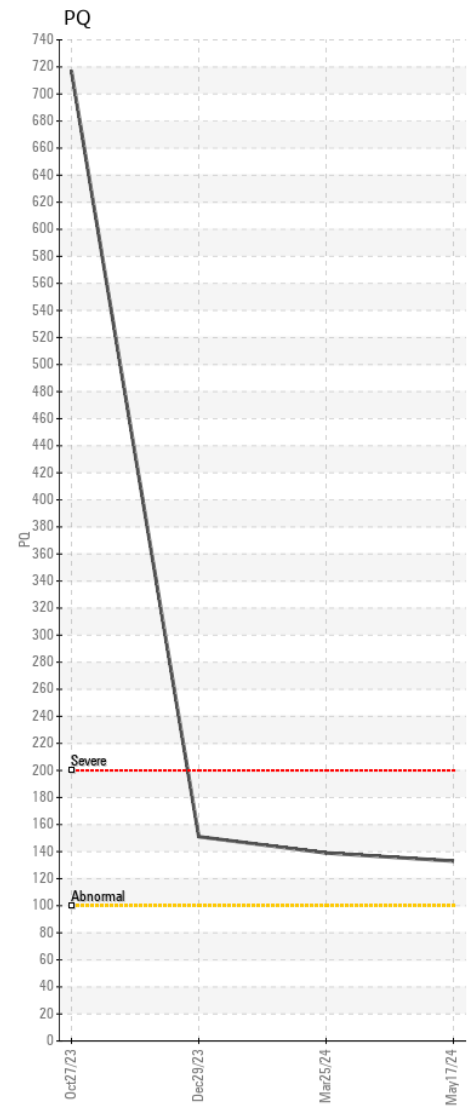
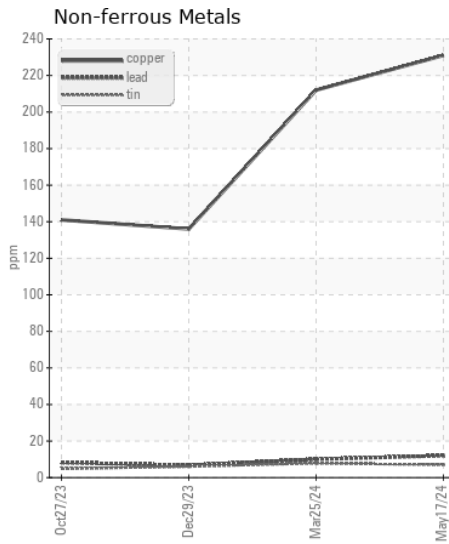
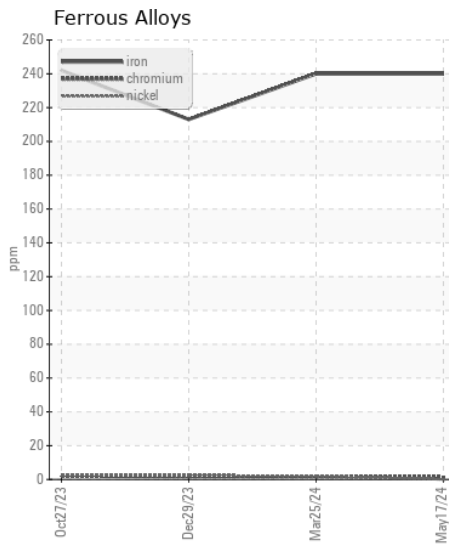
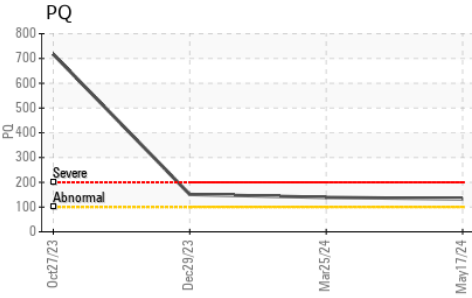
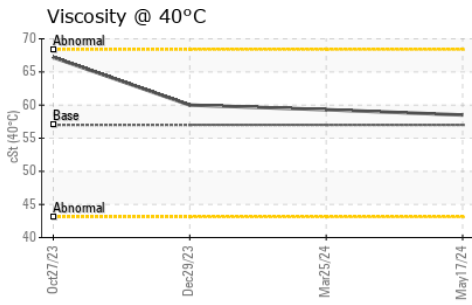
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	<b>10</b>	11	11
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	1	2
Water		WC Method	>.2	<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	>.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>10</b>	10	11
Boron	ppm	ASTM D5185m	6	<b>53</b>	54	62
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>42</b>	43	47
Magnesium	ppm	ASTM D5185m	145	<b>59</b>	54	61
Calcium	ppm	ASTM D5185m	3570	<b>3382</b>	3348	3419
Phosphorus	ppm	ASTM D5185m	1290	<b>1132</b>	1095	1147
Zinc	ppm	ASTM D5185m	1640	<b>1274</b>	1289	1433
Sulfur	ppm	ASTM D5185m		<b>3999</b>	3834	3479
Visc @ 40°C	cSt	ASTM D445	57.0	<b>58.5</b>	59.3	60.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0006905 **Received** : 21 May 2024  
**Lab Number** : 06186510 **Tested** : 22 May 2024  
**Unique Number** : 11043262 **Diagnosed** : 23 May 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT**  
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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)