



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**JOHN DEERE 748L 1DW748LBALF706852**  
 Component  
**Transmission (Manual)**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- QTS)**

## DIAGNOSIS

**Recommendation**  
 Resample at the next service interval to monitor.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 There is no indication of any contamination in the fluid.

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

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WE0006913</b>	---	---
Sample Date	Client Info	<b>25 Mar 2024</b>	---	---
Machine Age	hrs Client Info	<b>5906</b>	---	---
Oil Age	hrs Client Info	<b>2</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184 >95	<b>13</b>	---	---
Iron	ppm ASTM D5185m >200	<b>4</b>	---	---
Chromium	ppm ASTM D5185m >5	<b>&lt;1</b>	---	---
Nickel	ppm ASTM D5185m >5	<b>&lt;1</b>	---	---
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm ASTM D5185m >7	<b>0</b>	---	---
Aluminum	ppm ASTM D5185m >25	<b>1</b>	---	---
Lead	ppm ASTM D5185m >45	<b>1</b>	---	---
Copper	ppm ASTM D5185m >225	<b>1</b>	---	---
Tin	ppm ASTM D5185m >10	<b>1</b>	---	---
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium	ppm ASTM D5185m	<b>1</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 6	<b>6</b>	---	---
Barium	ppm ASTM D5185m 0	<b>&lt;1</b>	---	---
Molybdenum	ppm ASTM D5185m 0	<b>2</b>	---	---
Manganese	ppm ASTM D5185m	<b>1</b>	---	---
Magnesium	ppm ASTM D5185m 145	<b>91</b>	---	---
Calcium	ppm ASTM D5185m 3570	<b>3416</b>	---	---
Phosphorus	ppm ASTM D5185m 1290	<b>1076</b>	---	---
Zinc	ppm ASTM D5185m 1640	<b>1172</b>	---	---
Sulfur	ppm ASTM D5185m	<b>3682</b>	---	---

## CONTAMINANTS

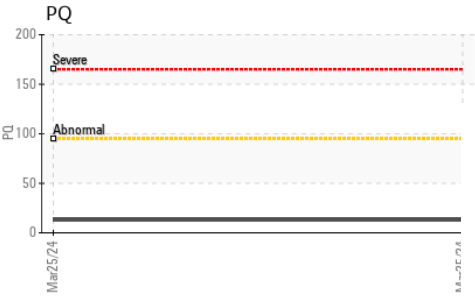
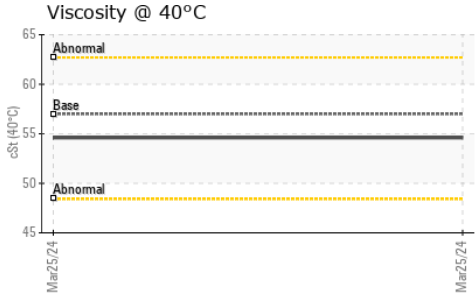
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >125	<b>5</b>	---	---
Sodium	ppm ASTM D5185m	<b>12</b>	---	---
Potassium	ppm ASTM D5185m >20	<b>4</b>	---	---

## VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	<b>NONE</b>	---	---
Yellow Metal	scalar *Visual NONE	<b>NONE</b>	---	---
Precipitate	scalar *Visual NONE	<b>NONE</b>	---	---
Silt	scalar *Visual NONE	<b>NONE</b>	---	---
Debris	scalar *Visual NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar *Visual NONE	<b>NONE</b>	---	---
Appearance	scalar *Visual NORML	<b>NORML</b>	---	---
Odor	scalar *Visual NORML	<b>NORML</b>	---	---
Emulsified Water	scalar *Visual >0.1	<b>NEG</b>	---	---
Free Water	scalar *Visual	<b>NEG</b>	---	---



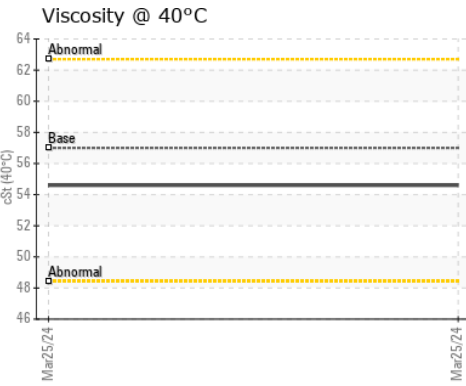
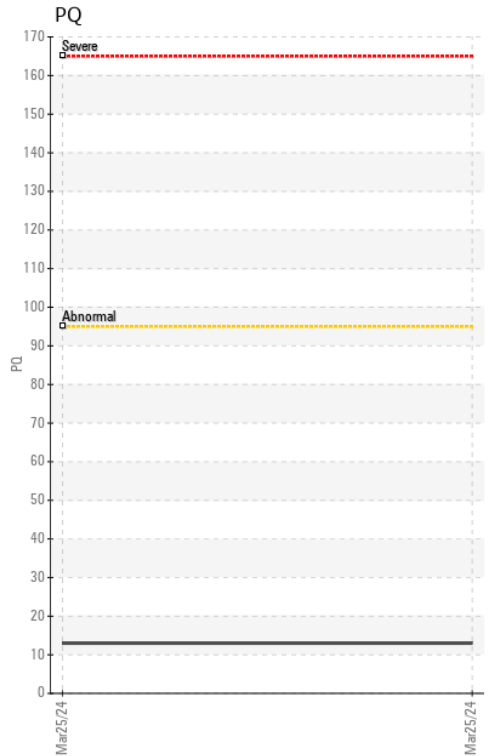
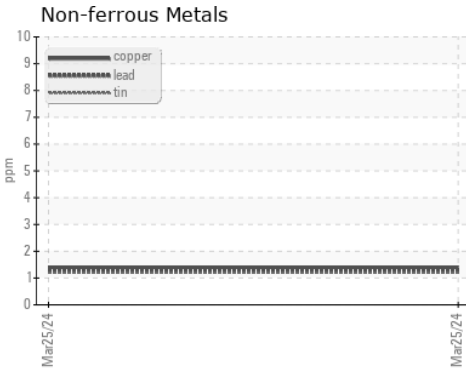
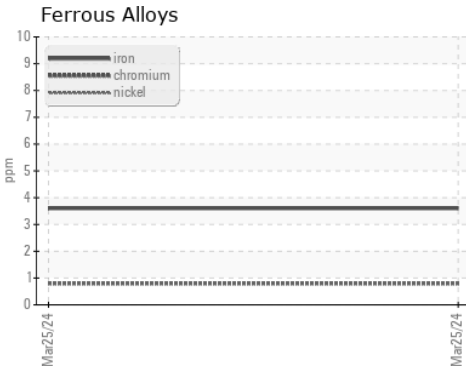
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	<b>54.6</b>	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0006913      **Received** : 11 Apr 2024  
**Lab Number** : **06146094**      **Tested** : 12 Apr 2024  
**Unique Number** : 10976172      **Diagnosed** : 12 Apr 2024 - Wes Davis  
**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)