



# OIL ANALYSIS REPORT

Sample Rating Trend

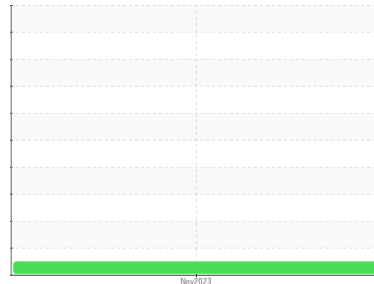
**NORMAL**



Machine Id  
**JOHN DEERE 843L 1DW843LBPKF699738**

Component  
**Front Axle**  
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>WE0005727</b>	---	---
Sample Date	Client Info	<b>15 Nov 2023</b>	---	---
Machine Age	hrs Client Info	<b>5825</b>	---	---
Oil Age	hrs Client Info	<b>100</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	<b>19</b>	---	---
Iron	ppm ASTM D5185m >750	<b>24</b>	---	---
Chromium	ppm ASTM D5185m >11	<b>&lt;1</b>	---	---
Nickel	ppm ASTM D5185m >10	<b>0</b>	---	---
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm ASTM D5185m >21	<b>1</b>	---	---
Lead	ppm ASTM D5185m >49	<b>&lt;1</b>	---	---
Copper	ppm ASTM D5185m >101	<b>4</b>	---	---
Tin	ppm ASTM D5185m >10	<b>0</b>	---	---
Vanadium	ppm ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 6	<b>&lt;1</b>	---	---
Barium	ppm ASTM D5185m 0	<b>&lt;1</b>	---	---
Molybdenum	ppm ASTM D5185m 0	<b>2</b>	---	---
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium	ppm ASTM D5185m 145	<b>102</b>	---	---
Calcium	ppm ASTM D5185m 3570	<b>3171</b>	---	---
Phosphorus	ppm ASTM D5185m 1290	<b>982</b>	---	---
Zinc	ppm ASTM D5185m 1640	<b>1201</b>	---	---
Sulfur	ppm ASTM D5185m	<b>3831</b>	---	---

## CONTAMINANTS

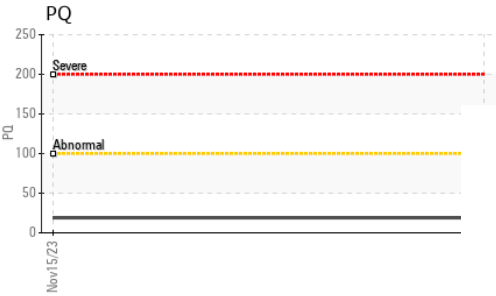
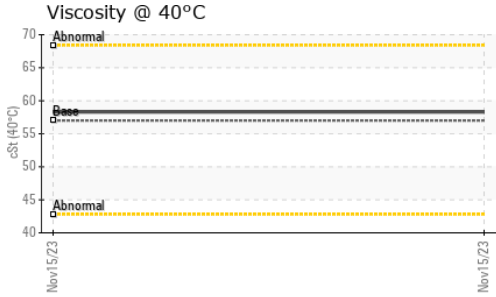
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >31	<b>5</b>	---	---
Sodium	ppm ASTM D5185m >51	<b>0</b>	---	---
Potassium	ppm ASTM D5185m >20	<b>2</b>	---	---

## 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>	---	---



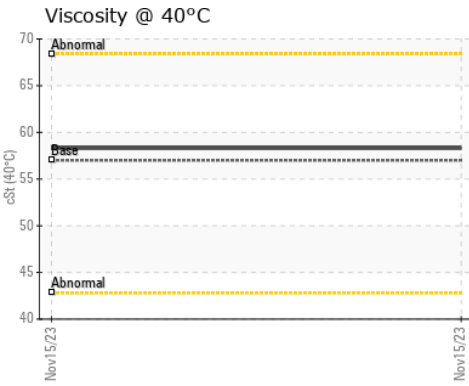
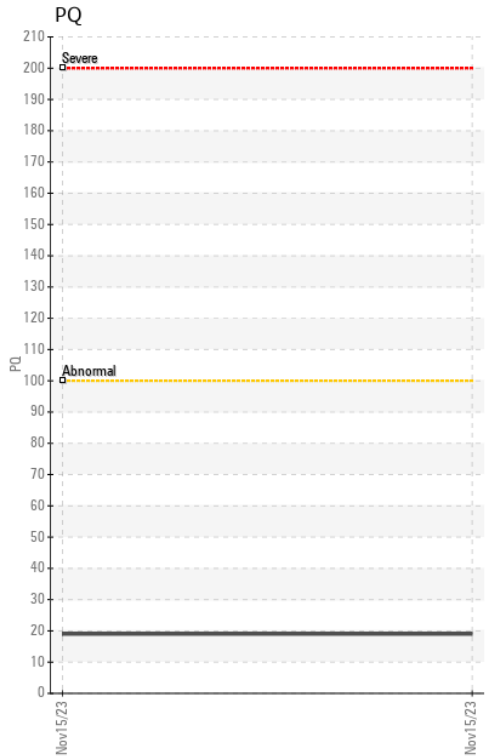
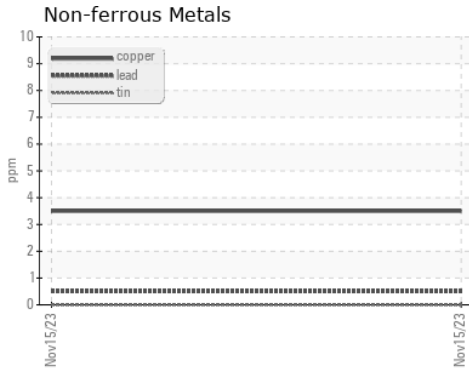
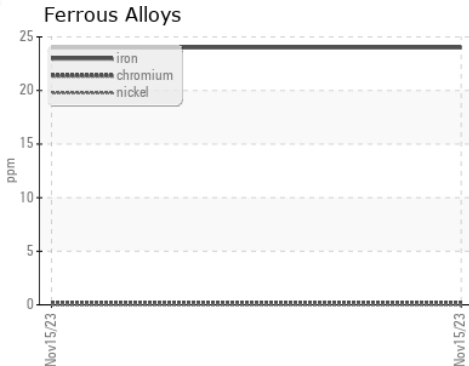
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.0	<b>58.3</b>	---	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0005727 **Received** : 17 Nov 2023  
**Lab Number** : 06011113 **Diagnosed** : 20 Nov 2023  
**Unique Number** : 10750257 **Diagnostician** : Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT**  
 P.O. BOX 412  
 NORTHPORT, AL  
 US 35476  
 Contact: PAMELA CLARK  
 pamel@warriortractor.com  
 T: (205)339-0300  
 F:

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)