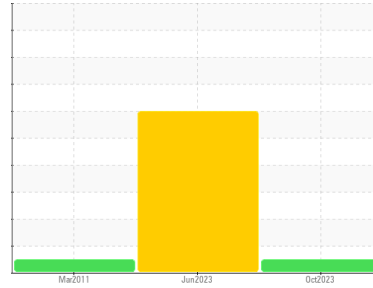


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**


Area  
**[W45138]**  
Machine Id  
**JOHN DEERE 844J DW844JX610102**  
Component  
**Transmission (Manual)**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**


**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>JR0180454</b>	JR0164362	JRMC252210
Sample Date	Client Info		<b>13 Oct 2023</b>	12 Jun 2023	07 Mar 2011
Machine Age	hrs	Client Info	<b>19023</b>	18900	10755
Oil Age	hrs	Client Info	<b>2</b>	0	0
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	N/A
Sample Status			<b>NORMAL</b>	SEVERE	MARGINAL

**WEAR METALS**

	method	limit/base	current	history1	history2
PQ	ASTM D8184	>95	<b>16</b>	26	12.0
Iron	ppm	ASTM D5185m	>200	<b>37</b>	292
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	3
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0
Silver	ppm	ASTM D5185m	>7	<b>0</b>	<1
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1
Lead	ppm	ASTM D5185m	>45	<b>0</b>	<1
Copper	ppm	ASTM D5185m	>225	<b>&lt;1</b>	5
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0
Antimony	ppm	ASTM D5185m	---	---	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1
Cadmium	ppm	ASTM D5185m		<b>0</b>	0

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	<b>5</b>	12
Barium	ppm	ASTM D5185m	0	<b>0</b>	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	3
Magnesium	ppm	ASTM D5185m	145	<b>100</b>	70
Calcium	ppm	ASTM D5185m	3570	<b>3337</b>	3137
Phosphorus	ppm	ASTM D5185m	1290	<b>973</b>	950
Zinc	ppm	ASTM D5185m	1640	<b>1266</b>	1167
Sulfur	ppm	ASTM D5185m		<b>3476</b>	3965

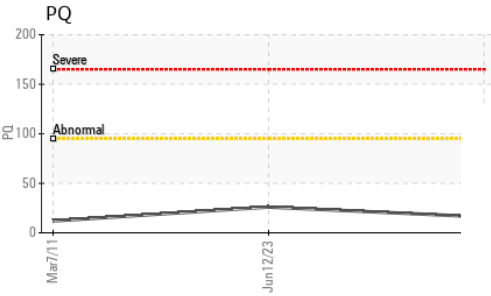
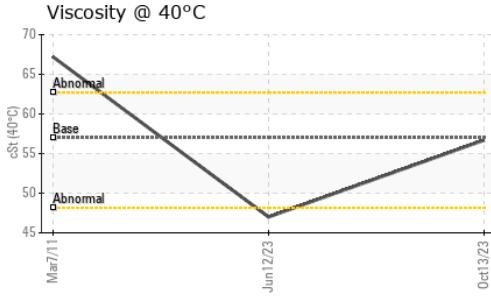
**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	<b>6</b>	6
Sodium	ppm	ASTM D5185m		<b>10</b>	2
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1

**VISUAL**

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

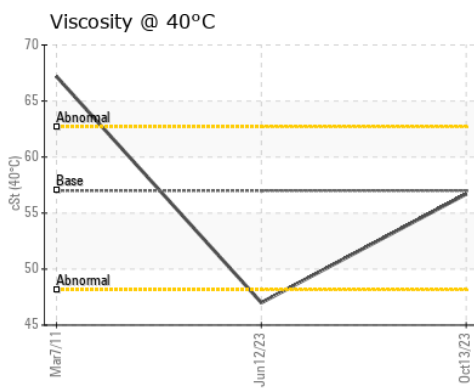
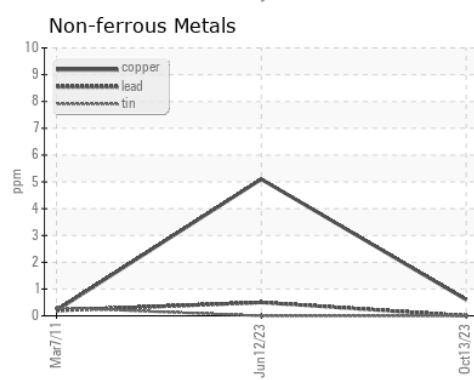
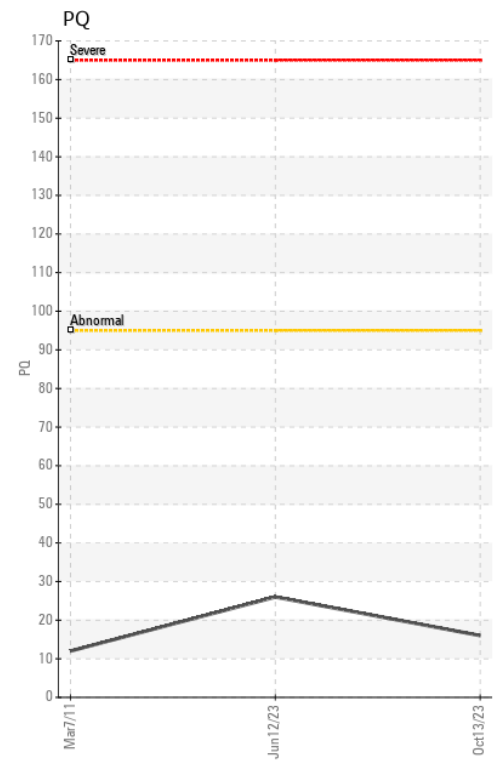
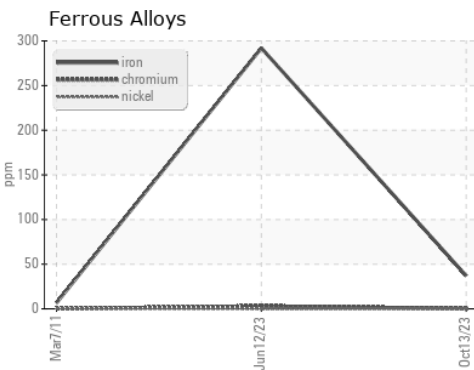
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	<b>56.7</b>	47.0	▲ 67.19

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.** : JR0180454      **Received** : 16 Oct 2023  
**Lab Number** : 05979926      **Diagnosed** : 18 Oct 2023  
**Unique Number** : 10697221      **Diagnostician** : Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - ASHLAND**  
 11047 LEADBETTER RD  
 ASHLAND, VA  
 US 23005  
 Contact: DAVID ZIEG  
 dzieg@jamesriverequipment.com  
 T: (804)798-6001  
 F: (804)798-0292

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)