



# OIL ANALYSIS REPORT

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

Area  
**[W68119]**  
 Machine Id  
**JOHN DEERE 460P 1DW460PAEPFB06202**  
 Component  
**Transmission (Auto)**  
 Fluid  
**JOHN DEERE HD SynTran (16 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W68119 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0215681</b>	JR0191097	---
Sample Date		Client Info		<b>25 Jun 2024</b>	16 Nov 2023	---
Machine Age	hrs	Client Info		<b>1043</b>	563	---
Oil Age	hrs	Client Info		<b>1043</b>	563	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	N/A	---
Filter Changed		Client Info		<b>Not Changd</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>24</b>	27	---
Iron	ppm	ASTM D5185m	>160	<b>48</b>	26	---
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>50	<b>3</b>	0	---
Lead	ppm	ASTM D5185m	>50	<b>1</b>	0	---
Copper	ppm	ASTM D5185m	>225	<b>2</b>	1	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

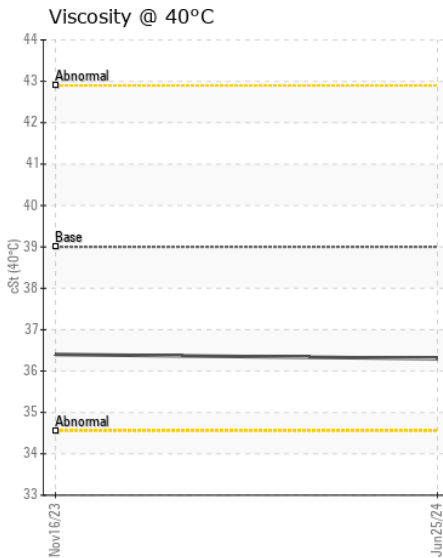
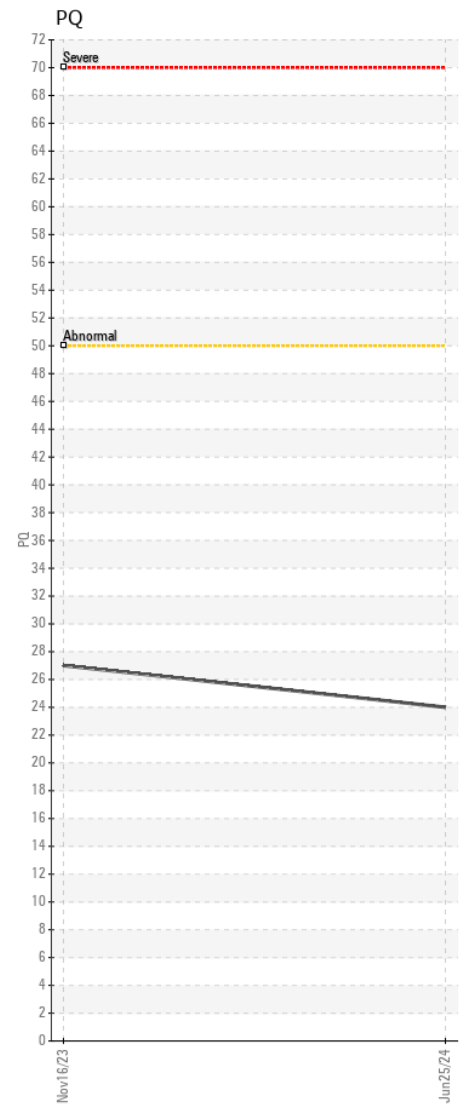
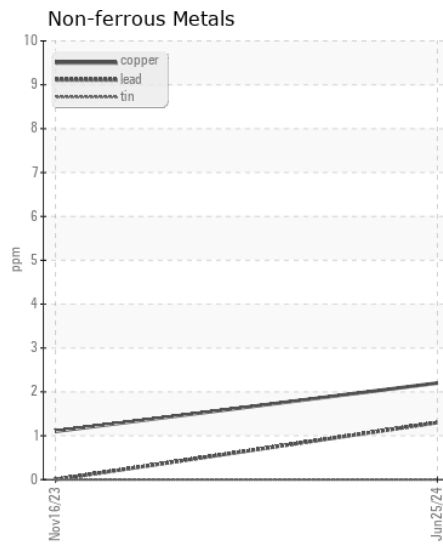
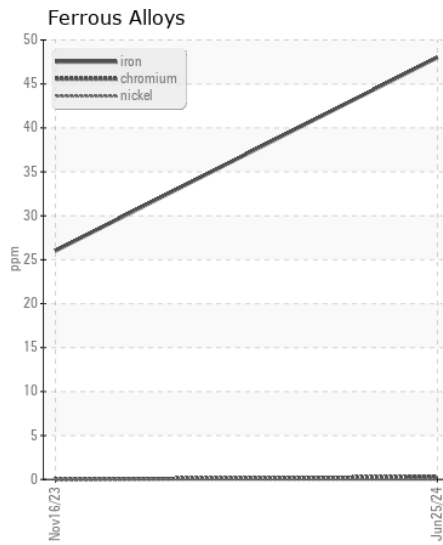
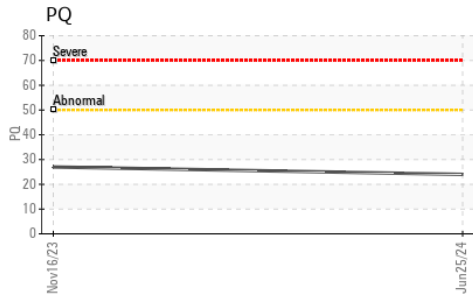
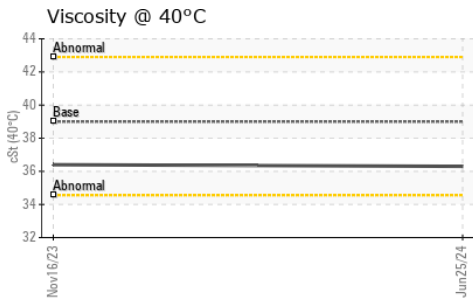
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>6</b>	5	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
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	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>1</b>	3	---
Boron	ppm	ASTM D5185m	168	<b>120</b>	127	---
Barium	ppm	ASTM D5185m		<b>2</b>	1	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>4</b>	<1	---
Calcium	ppm	ASTM D5185m	33	<b>200</b>	129	---
Phosphorus	ppm	ASTM D5185m	330	<b>292</b>	253	---
Zinc	ppm	ASTM D5185m	0	<b>41</b>	10	---
Sulfur	ppm	ASTM D5185m	980	<b>573</b>	482	---
Visc @ 40°C	cSt	ASTM D445	39	<b>36.3</b>	36.4	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0215681 **Received** : 26 Jun 2024  
**Lab Number** : 06221458 **Tested** : 28 Jun 2024  
**Unique Number** : 11099655 **Diagnosed** : 28 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269

Contact: CHARLOTTE SHOP  
 myoung@jamesriverequipment.com

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)

T: (704)597-0211  
 F: (704)596-6198