



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

Machine Id  
**JOHN DEERE 460P 1DW460PALPFB07170**  
 Component  
**Center Differential**  
 Fluid  
**JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0221998</b>	JR0202399	---
Sample Date		Client Info		<b>14 Jun 2024</b>	05 Mar 2024	---
Machine Age	hrs	Client Info		<b>1467</b>	1001	---
Oil Age	hrs	Client Info		<b>1467</b>	1001	---
Filter Age	hrs	Client Info		<b>549</b>	549	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>24</b>	15	---
Iron	ppm	ASTM D5185m	>500	<b>34</b>	3	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	2	---
Lead	ppm	ASTM D5185m	>25	<b>10</b>	<1	---
Copper	ppm	ASTM D5185m	>100	<b>4</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

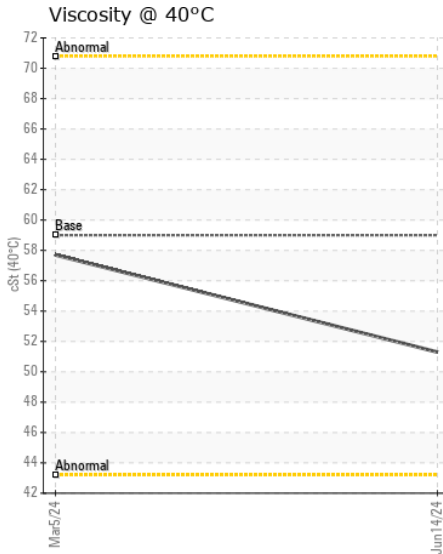
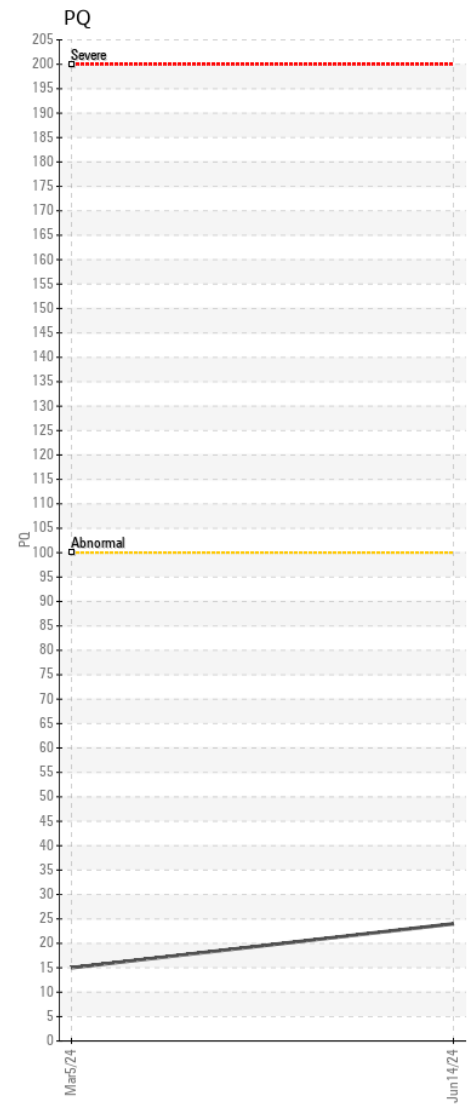
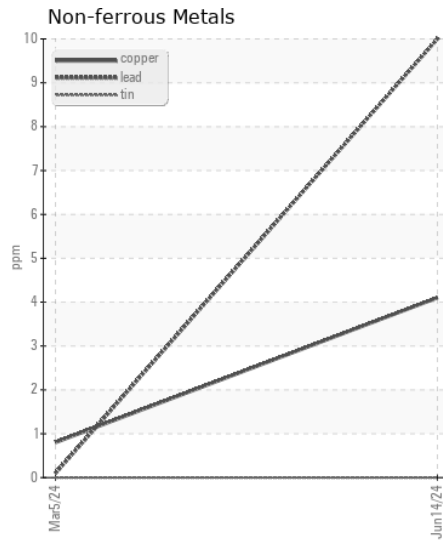
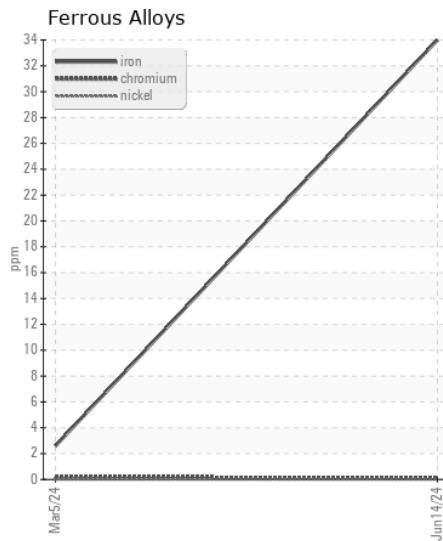
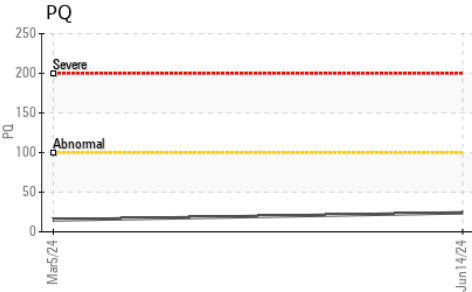
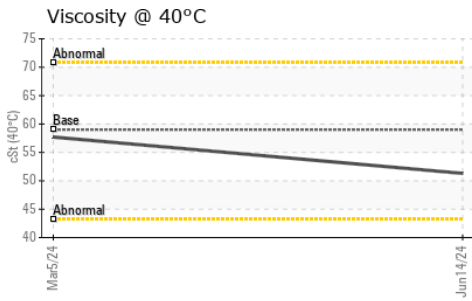
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>4</b>	5	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	---
Water		WC Method	>.2	<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	>.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>3</b>	0	---
Boron	ppm	ASTM D5185m		<b>2</b>	<1	---
Barium	ppm	ASTM D5185m		<b>4</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>94</b>	100	---
Calcium	ppm	ASTM D5185m		<b>3422</b>	3475	---
Phosphorus	ppm	ASTM D5185m		<b>1074</b>	914	---
Zinc	ppm	ASTM D5185m		<b>1263</b>	1222	---
Sulfur	ppm	ASTM D5185m		<b>3714</b>	3555	---
Visc @ 40°C	cSt	ASTM D445	59	<b>51.3</b>	57.7	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0221998

**Lab Number** : 06213816

**Unique Number** : 11086680

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 18 Jun 2024

**Tested** : 20 Jun 2024

**Diagnosed** : 20 Jun 2024 - Sean Felton

**JRE - GARNER**

4161 AUBURN CHURCH RD

GARNER, NC

US 27529

Contact: JOHN GUASCHINO

john.guaschino@jamesriverequipment.com

T:

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)

F: (919)779-5432