



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

Area  
**[W68716]**

Machine Id  
**JOHN DEERE 410P 5477 (S/N 1DW410PALPFB06972)**

Component  
**Center Differential**

Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (18 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W68716 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0220192</b>	JR0206785	---
Sample Date		Client Info		<b>08 Jul 2024</b>	10 Apr 2024	---
Machine Age	hrs	Client Info		<b>1516</b>	1051	---
Oil Age	hrs	Client Info		<b>1516</b>	1051	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
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>16</b>	18	---
Iron	ppm	ASTM D5185m	>500	<b>40</b>	56	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	---
Lead	ppm	ASTM D5185m	>25	<b>12</b>	<1	---
Copper	ppm	ASTM D5185m	>100	<b>12</b>	5	---
Tin	ppm	ASTM D5185m	>10	<b>1</b>	<1	---
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

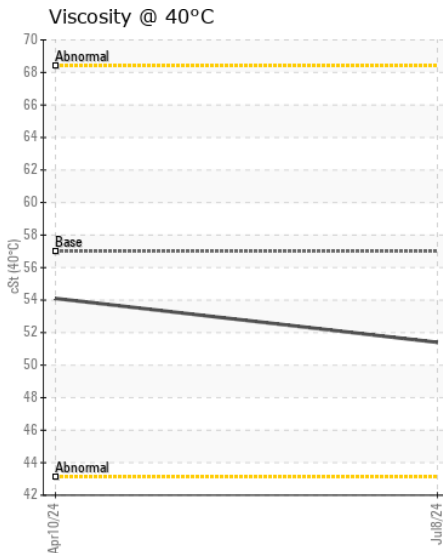
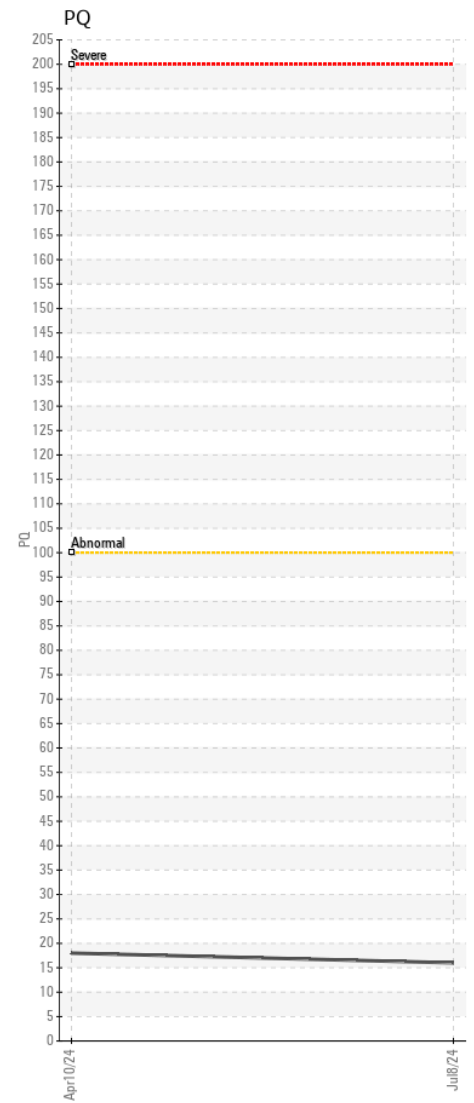
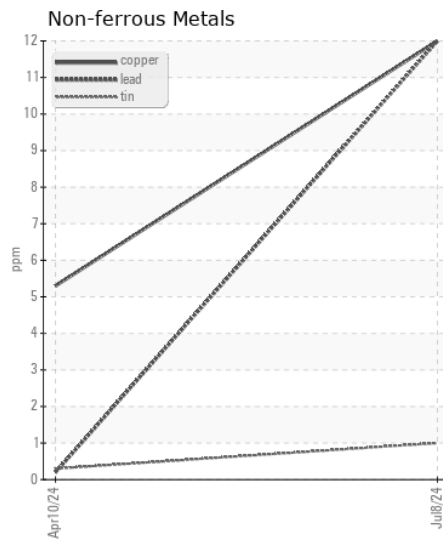
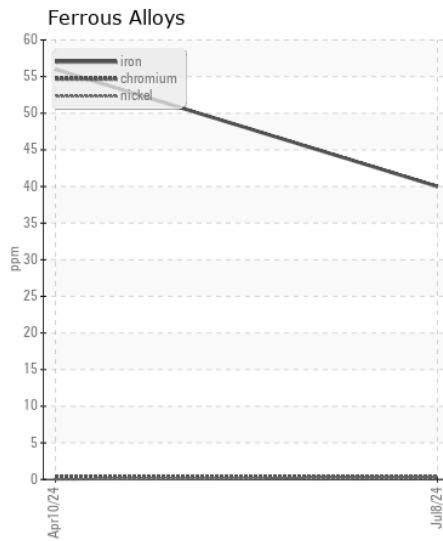
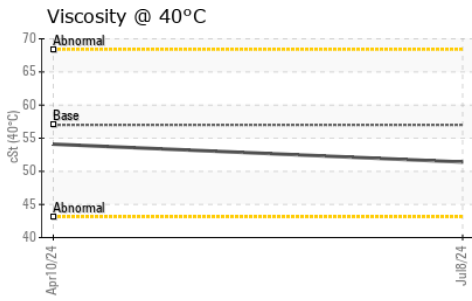
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>75	<b>4</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	---
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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		<b>3</b>	5	---
Boron	ppm	ASTM D5185m	6	<b>2</b>	1	---
Barium	ppm	ASTM D5185m	0	<b>2</b>	5	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>1</b>	4	---
Magnesium	ppm	ASTM D5185m	145	<b>96</b>	100	---
Calcium	ppm	ASTM D5185m	3570	<b>3487</b>	3463	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1075</b>	1075	---
Zinc	ppm	ASTM D5185m	1640	<b>1239</b>	1247	---
Sulfur	ppm	ASTM D5185m		<b>3604</b>	4389	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>51.4</b>	54.1	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0220192 **Received** : 15 Jul 2024  
**Lab Number** : 06236349 **Tested** : 16 Jul 2024  
**Unique Number** : 11125183 **Diagnosed** : 16 Jul 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

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)

**CK CONTRACTING**  
 124-1 WOODING PL  
 KINGS MOUNTAIN, NC  
 US 28086  
 Contact: TAM WRIGHT  
 twright@ckcdllc.com  
 T: (704)730-9948  
 F: (704)730-9975