



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



Machine Id  
**JOHN DEERE 544K 1DW544KPLEE661679**  
Component  
**Transmission (Manual)**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0205088</b>	JRMC460162	---
Sample Date		Client Info		<b>10 Apr 2024</b>	11 Jul 2018	---
Machine Age	hrs	Client Info		<b>10581</b>	4336	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>16</b>	17	---
Iron	ppm	ASTM D5185m	>200	<b>8</b>	17	---
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	>7	<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	1	---
Lead	ppm	ASTM D5185m	>45	<b>1</b>	<1	---
Copper	ppm	ASTM D5185m	>225	<b>2</b>	6	---
Tin	ppm	ASTM D5185m	>10	<b>1</b>	1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

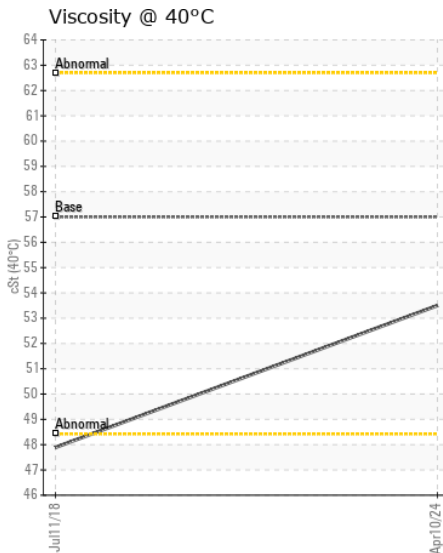
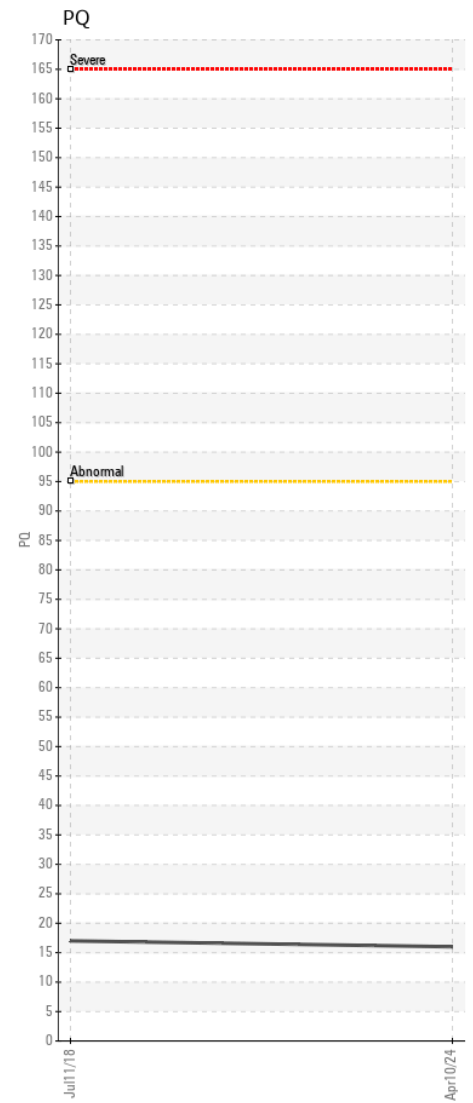
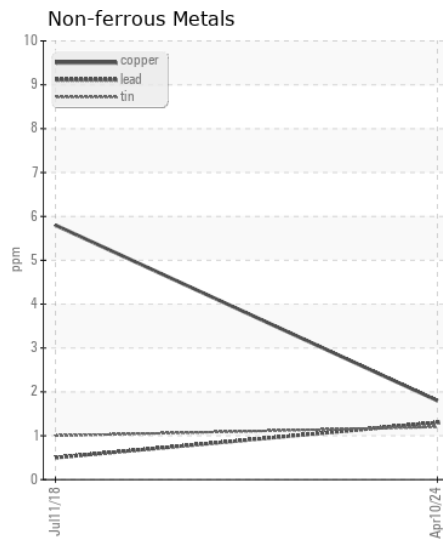
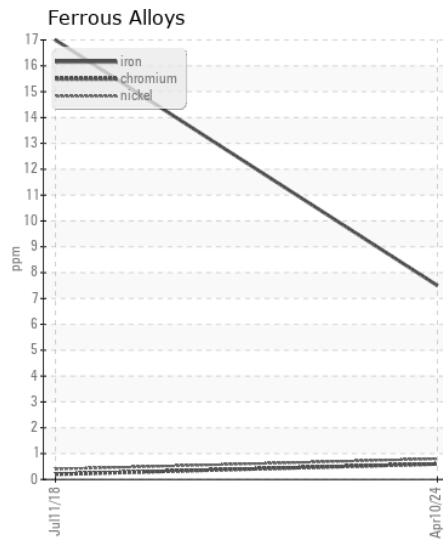
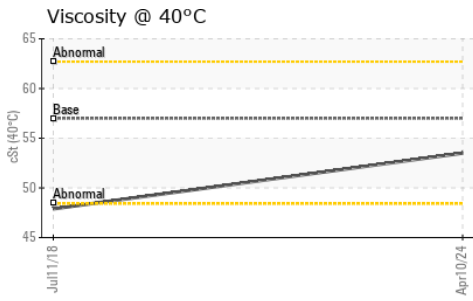
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>4</b>	19	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	8	---
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>0</b>	10	---
Boron	ppm	ASTM D5185m	6	<b>28</b>	3	---
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>30</b>	2	---
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	---
Magnesium	ppm	ASTM D5185m	145	<b>103</b>	97	---
Calcium	ppm	ASTM D5185m	3570	<b>3156</b>	3582	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1166</b>	1070	---
Zinc	ppm	ASTM D5185m	1640	<b>1179</b>	1242	---
Sulfur	ppm	ASTM D5185m		<b>4311</b>	3471	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>53.5</b>	47.89	---



Certificate L2367

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

Sample No. : JR0205088

Lab Number : 06146084

Unique Number : 10976162

Test Package : CONST ( Additional Tests: PQ )

Received : 11 Apr 2024

Tested : 12 Apr 2024

Diagnosed : 12 Apr 2024 - Wes Davis

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)

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