



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



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

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0205058</b>	JRMC460164	---
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>ABNORMAL</b>	ABNORMAL	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>92</b>	216	---
Iron	ppm	ASTM D5185m	>500	<b>520</b>	▲ 1871	---
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	9	---
Nickel	ppm	ASTM D5185m	>10	<b>4</b>	8	---
Titanium	ppm	ASTM D5185m		<b>1</b>	1	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	7	---
Lead	ppm	ASTM D5185m	>25	<b>5</b>	8	---
Copper	ppm	ASTM D5185m	>100	<b>58</b>	86	---
Tin	ppm	ASTM D5185m	>10	<b>4</b>	13	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

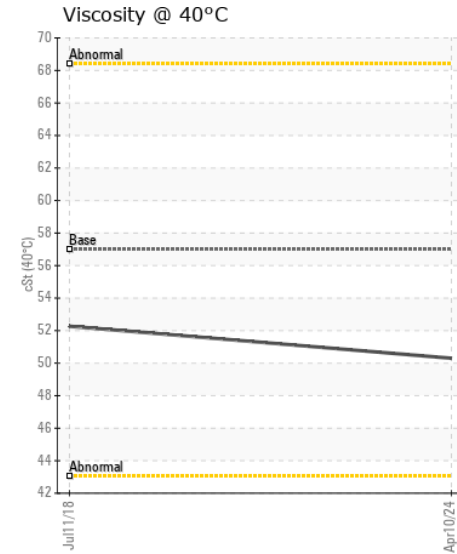
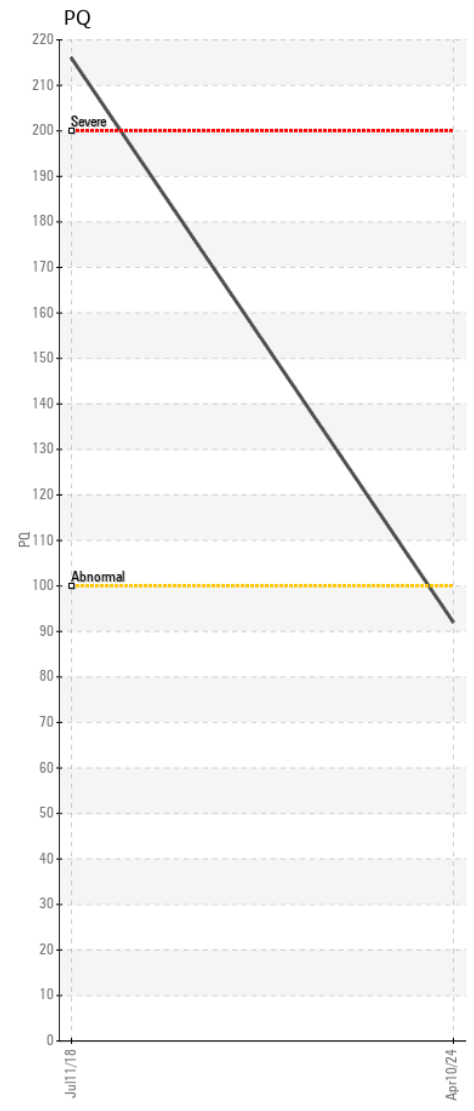
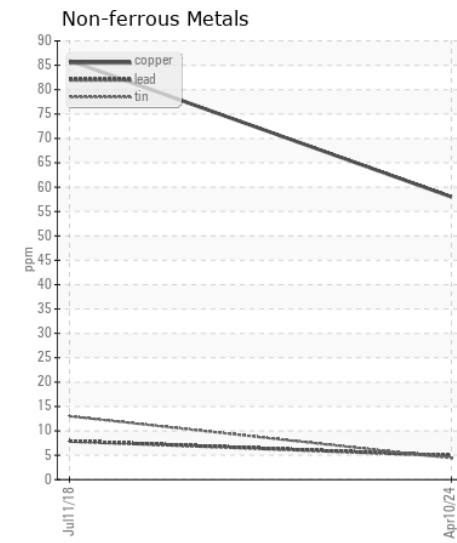
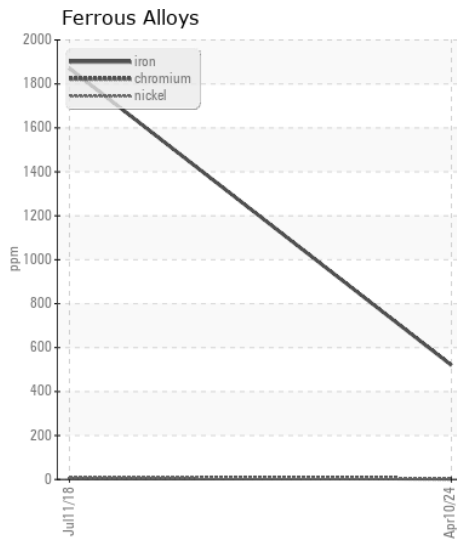
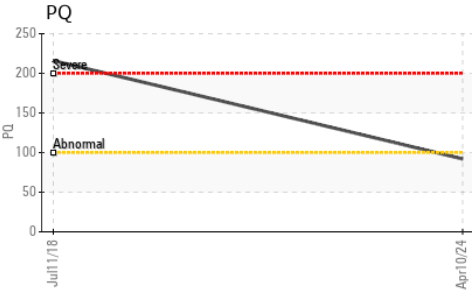
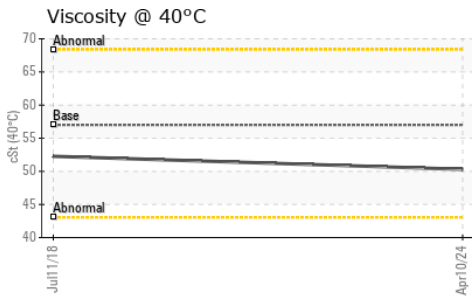
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>24</b>	50	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	4	---
Water		WC Method	>.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>MODER</b>	NONE	---
Debris	scalar	*Visual	NONE	▲ <b>MODER</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>	0.2%	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>2</b>	13	---
Boron	ppm	ASTM D5185m	6	<b>8</b>	3	---
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	9	---
Molybdenum	ppm	ASTM D5185m	0	<b>5</b>	0	---
Manganese	ppm	ASTM D5185m		<b>7</b>	21	---
Magnesium	ppm	ASTM D5185m	145	<b>98</b>	94	---
Calcium	ppm	ASTM D5185m	3570	<b>3559</b>	3366	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1146</b>	1036	---
Zinc	ppm	ASTM D5185m	1640	<b>1193</b>	938	---
Sulfur	ppm	ASTM D5185m		<b>4761</b>	3370	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>50.3</b>	52.27	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0205058 **Received** : 11 Apr 2024  
**Lab Number** : 06146139 **Tested** : 12 Apr 2024  
**Unique Number** : 10976217 **Diagnosed** : 15 Apr 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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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)