



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



Machine Id  
**JOHN DEERE 544K 1DW544KZPJF687336**

Component  
**Brake**

Fluid  
**JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (2 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0215208</b>	JR0203576	JR0113567
Sample Date		Client Info		<b>20 May 2024</b>	06 Feb 2024	26 Jan 2022
Machine Age	hrs	Client Info		<b>7991</b>	7543	3943
Oil Age	hrs	Client Info		<b>448</b>	3600	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>15</b>	142	65
Iron	ppm	ASTM D5185m	>350	<b>16</b>	205	233
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	2	4
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>8	<b>&lt;1</b>	32	51
Lead	ppm	ASTM D5185m	>10	<b>21</b>	<1	1
Copper	ppm	ASTM D5185m	>150	<b>20</b>	0	<1
Tin	ppm	ASTM D5185m	>5	<b>2</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

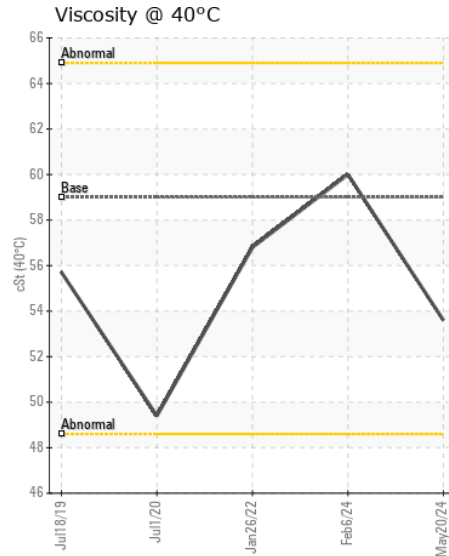
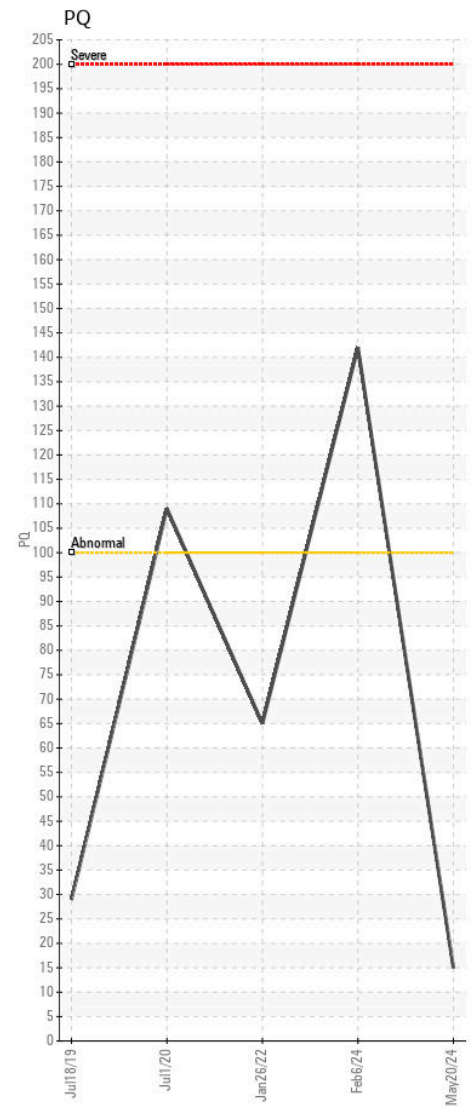
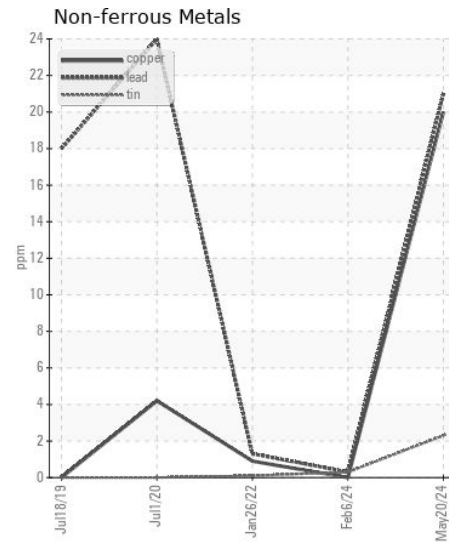
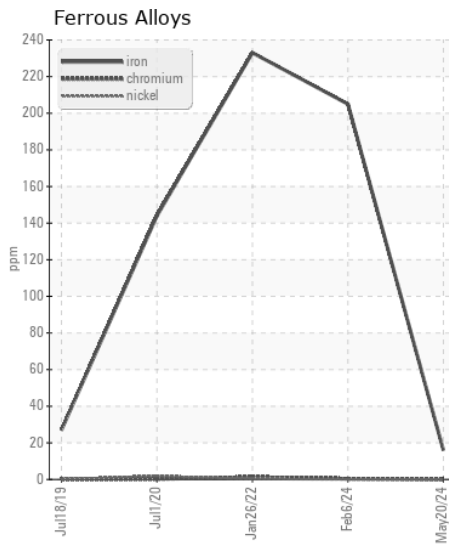
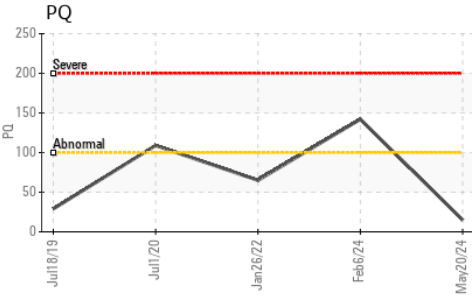
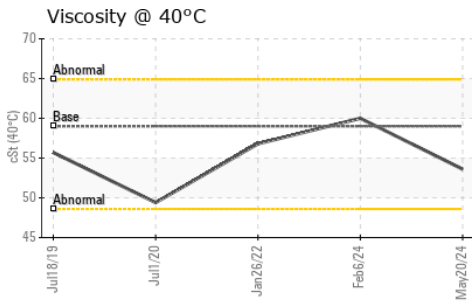
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	<b>5</b>	135	246
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	88
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	VLITE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>1</b>	14	11
Boron	ppm	ASTM D5185m		<b>2</b>	23	11
Barium	ppm	ASTM D5185m		<b>0</b>	2	3
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	35	45
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	3
Magnesium	ppm	ASTM D5185m		<b>80</b>	98	94
Calcium	ppm	ASTM D5185m		<b>3376</b>	3992	3766
Phosphorus	ppm	ASTM D5185m		<b>1012</b>	1057	1061
Zinc	ppm	ASTM D5185m		<b>1201</b>	1174	1298
Sulfur	ppm	ASTM D5185m		<b>4176</b>	3399	4042
Visc @ 40°C	cSt	ASTM D445	59	<b>53.6</b>	60.0	56.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0215208 **Received** : 22 May 2024  
**Lab Number** : 06187972 **Tested** : 24 May 2024  
**Unique Number** : 11044724 **Diagnosed** : 24 May 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
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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)