



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



Machine Id  
**JOHN DEERE 755K 1T0755KXCMF404735**

Component  
**Left Outer Final Drive**

Fluid  
**JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (20 QTS)**

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

### WEAR

All component wear rates are normal.

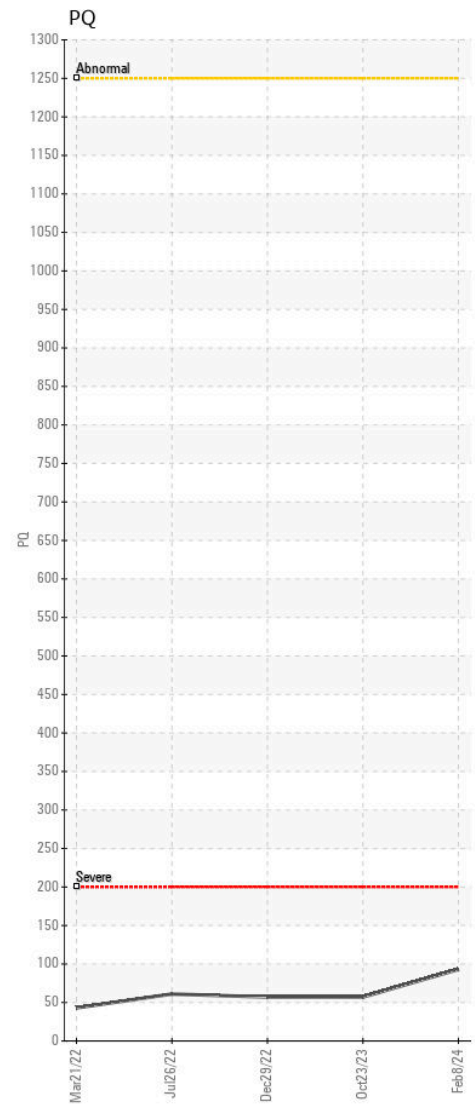
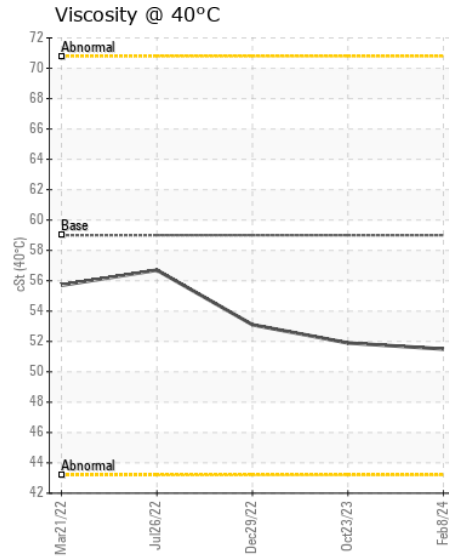
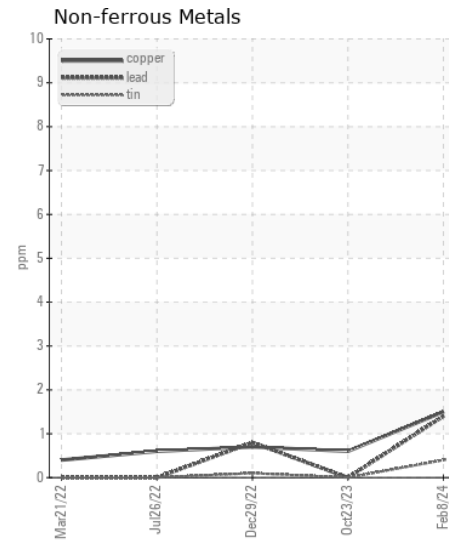
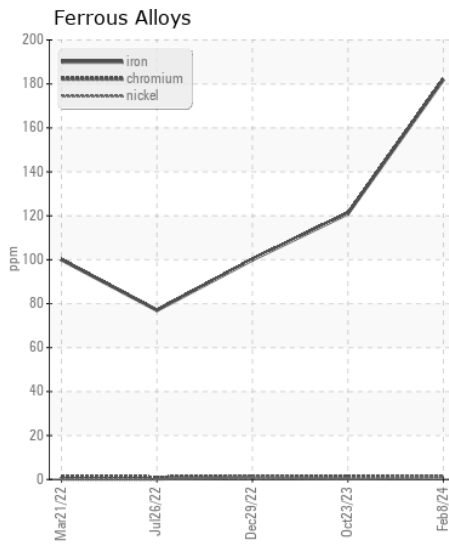
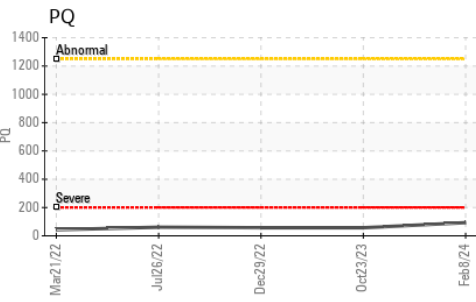
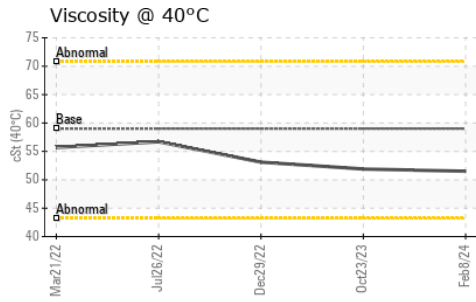
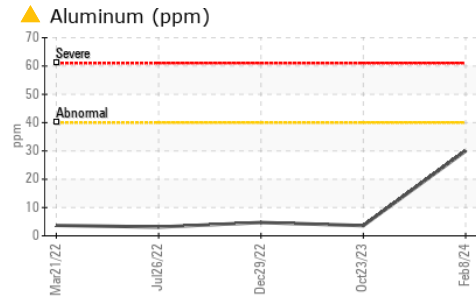
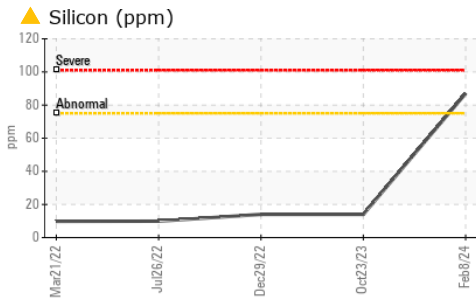
### CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0199470</b>	JR0190034	JR0154247
Sample Date		Client Info		<b>08 Feb 2024</b>	23 Oct 2023	29 Dec 2022
Machine Age	hrs	Client Info		<b>2929</b>	2460	1515
Oil Age	hrs	Client Info		<b>1000</b>	1913	1515
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	N/A	Not Changd
Filter Changed		Client Info		<b>Changed</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL
PQ		ASTM D8184	>1250	<b>93</b>	57	57
Iron	ppm	ASTM D5185m	>750	<b>182</b>	121	100
Chromium	ppm	ASTM D5185m	>9	<b>1</b>	1	1
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>2</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>▲ 30</b>	4	5
Lead	ppm	ASTM D5185m	>15	<b>1</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>2</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	<b>▲ 87</b>	14	14
Potassium	ppm	ASTM D5185m	>20	<b>11</b>	2	3
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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	>0.075	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	<b>7</b>	5	3
Boron	ppm	ASTM D5185m		<b>2</b>	2	2
Barium	ppm	ASTM D5185m		<b>4</b>	4	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>3</b>	2	2
Magnesium	ppm	ASTM D5185m		<b>104</b>	106	98
Calcium	ppm	ASTM D5185m		<b>3400</b>	3384	3555
Phosphorus	ppm	ASTM D5185m		<b>1015</b>	877	953
Zinc	ppm	ASTM D5185m		<b>1185</b>	1213	1174
Sulfur	ppm	ASTM D5185m		<b>3564</b>	3599	3806
Visc @ 40°C	cSt	ASTM D445	59	<b>51.5</b>	51.9	53.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0199470 **Received** : 23 Feb 2024  
**Lab Number** : 06099412 **Tested** : 26 Feb 2024  
**Unique Number** : 10897642 **Diagnosed** : 27 Feb 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**TOTAL DEVELOPMENT SOLUTIONS LLC**  
 7805 PROGRESS CT  
 GAINESVILLE, VA  
 US 20155  
 Contact: JOE SEALE

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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