



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



Area  
**[W66272]**  
 Machine Id  
**JOHN DEERE 700K 1T0700KXKHF316028**  
 Component  
**Right Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (3 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W66272 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0206655</b>	JR0178436	JR0162667
Sample Date		Client Info		<b>23 Apr 2024</b>	08 Sep 2023	22 May 2023
Machine Age	hrs	Client Info		<b>9954</b>	9553	9004
Oil Age	hrs	Client Info		<b>9325</b>	549	500
Filter Age	hrs	Client Info		<b>0</b>	0	500
Oil Changed		Client Info		<b>Changed</b>	Not Chngd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>97</b>	9	91
Iron	ppm	ASTM D5185m	>750	<b>180</b>	48	214
Chromium	ppm	ASTM D5185m	>9	<b>1</b>	<1	2
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	2
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>7</b>	1	27
Lead	ppm	ASTM D5185m	>15	<b>0</b>	19	0
Copper	ppm	ASTM D5185m	>40	<b>0</b>	137	0
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

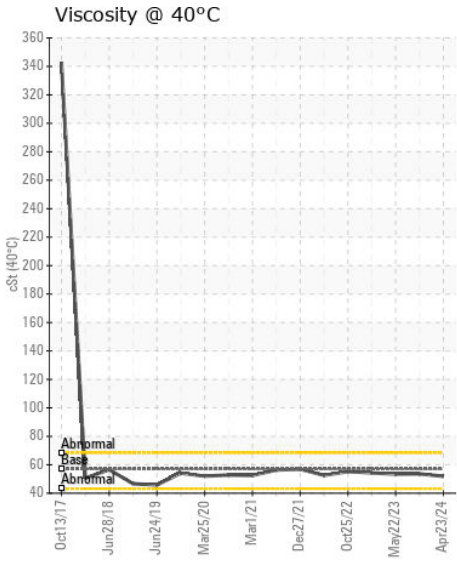
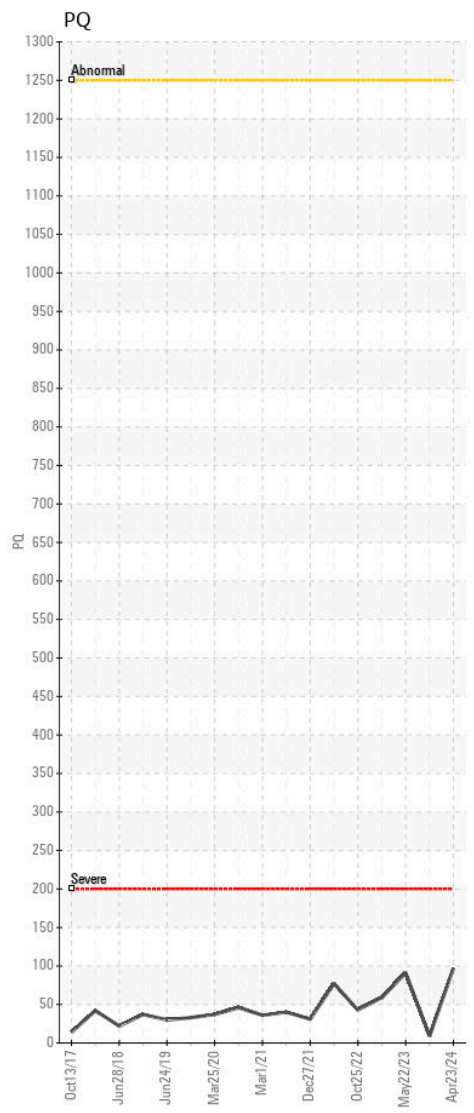
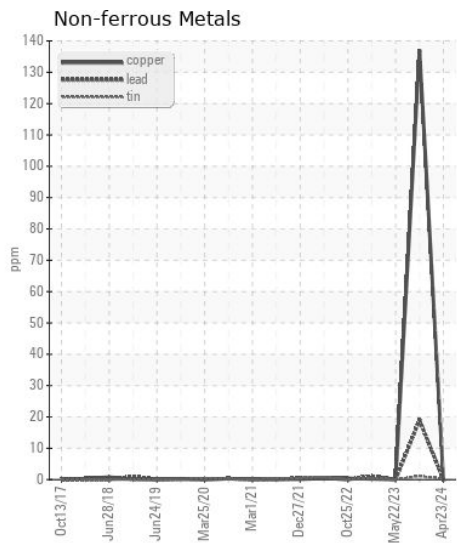
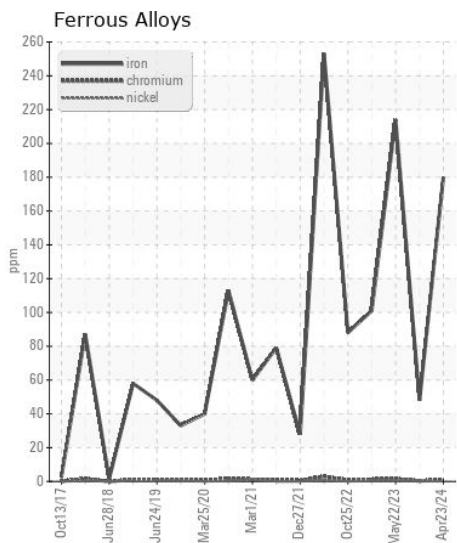
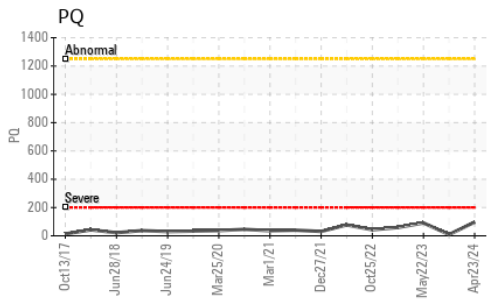
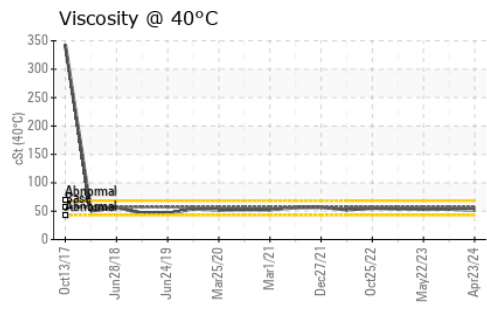
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>37</b>	4	75
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	6
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

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>1</b>	3	3
Boron	ppm	ASTM D5185m	6	<b>3</b>	1	39
Barium	ppm	ASTM D5185m	0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	0	31
Manganese	ppm	ASTM D5185m		<b>2</b>	1	2
Magnesium	ppm	ASTM D5185m	145	<b>113</b>	101	187
Calcium	ppm	ASTM D5185m	3570	<b>3582</b>	3800	3171
Phosphorus	ppm	ASTM D5185m	1290	<b>1071</b>	1148	984
Zinc	ppm	ASTM D5185m	1640	<b>1228</b>	1344	1229
Sulfur	ppm	ASTM D5185m		<b>4155</b>	4681	3950
Visc @ 40°C	cSt	ASTM D445	57.0	<b>51.9</b>	53.6	53.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0206655 **Received** : 25 Apr 2024  
**Lab Number** : 06160673 **Tested** : 26 Apr 2024  
**Unique Number** : 10996096 **Diagnosed** : 27 Apr 2024 - Don Baldrige  
**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)