



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

Area  
**[16W16491]**

Machine Id  
**JOHN DEERE 700L 1T0700LXEMF405259**

Component  
**Right Final Drive**

Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (11 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: 16W16491 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0217386</b>	JR0181866	JR0126669
Sample Date		Client Info		<b>28 Jun 2024</b>	02 Aug 2023	01 Apr 2022
Machine Age	hrs	Client Info		<b>2986</b>	975	975
Oil Age	hrs	Client Info		<b>999</b>	975	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>87</b>	116	67
Iron	ppm	ASTM D5185m	>750	<b>107</b>	75	116
Chromium	ppm	ASTM D5185m	>9	<b>4</b>	1	3
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>2</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>40	<b>17</b>	8	6
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

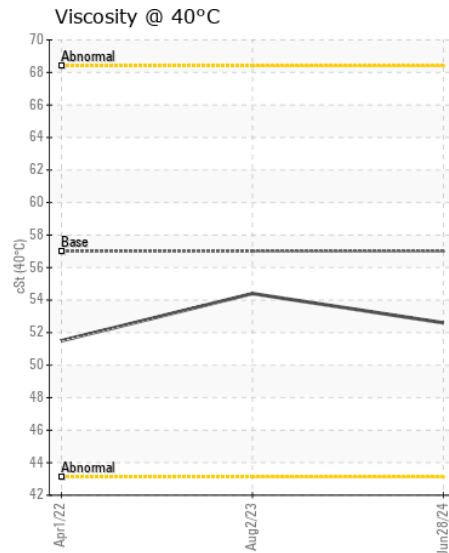
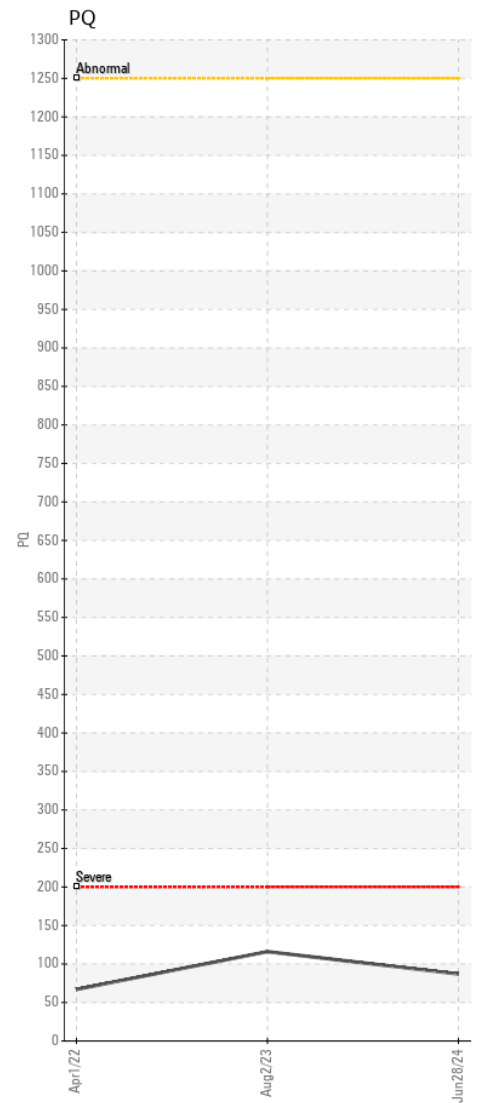
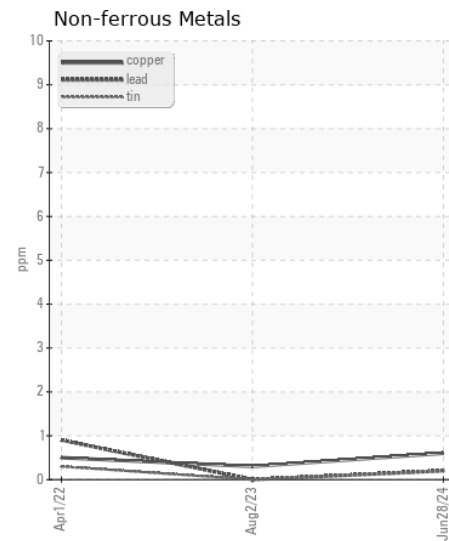
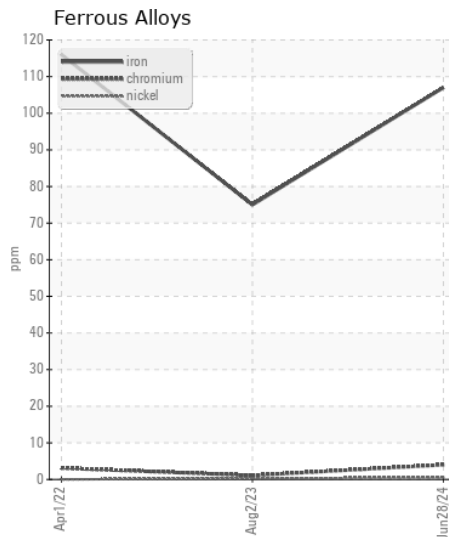
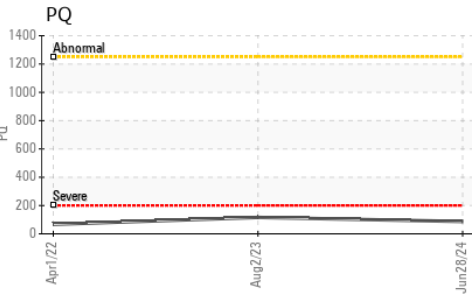
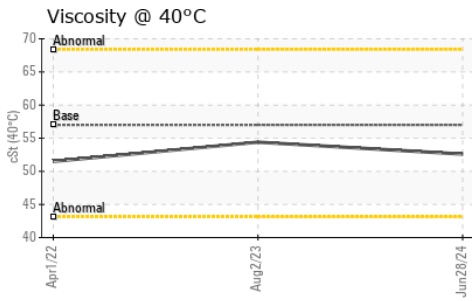
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>59</b>	23	27
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	3	10
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>	LIGHT	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>2</b>	0	5
Boron	ppm	ASTM D5185m	6	<b>15</b>	15	2
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>15</b>	14	3
Manganese	ppm	ASTM D5185m		<b>1</b>	1	3
Magnesium	ppm	ASTM D5185m	145	<b>132</b>	140	114
Calcium	ppm	ASTM D5185m	3570	<b>3268</b>	3545	3670
Phosphorus	ppm	ASTM D5185m	1290	<b>1080</b>	1067	1099
Zinc	ppm	ASTM D5185m	1640	<b>1216</b>	1293	1145
Sulfur	ppm	ASTM D5185m		<b>4559</b>	3997	3267
Visc @ 40°C	cSt	ASTM D445	57.0	<b>52.6</b>	54.4	51.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0217386 **Received** : 01 Jul 2024  
**Lab Number** : 06224759 **Tested** : 02 Jul 2024  
**Unique Number** : 11102956 **Diagnosed** : 02 Jul 2024 - Don Baldridge  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - MANASSAS PARK**  
 9107 OWENS DRIVE  
 MANASSAS PARK, VA  
 US 20111

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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)