



WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area  
**[05W47911]**  
 Machine Id  
**JOHN DEERE 624L 1DW624LTLLF708606**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HYDRAU (30 GAL)**

### 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>JR0225705</b>	JR0211030	JR0203332
Sample Date		Client Info		<b>29 Jun 2024</b>	20 Apr 2024	12 Feb 2024
Machine Age	hrs	Client Info		<b>8614</b>	8049	7517
Oil Age	hrs	Client Info		<b>565</b>	4000	3500
Filter Age	hrs	Client Info		<b>565</b>	4000	3500
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	Not Chngd
Filter Changed		Client Info		<b>Not Chngd</b>	Changed	Not Chngd
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>12</b>	16	13
Iron	ppm	ASTM D5185m	>20	<b>0</b>	9	6
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	3	1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	1
Lead	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>75	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

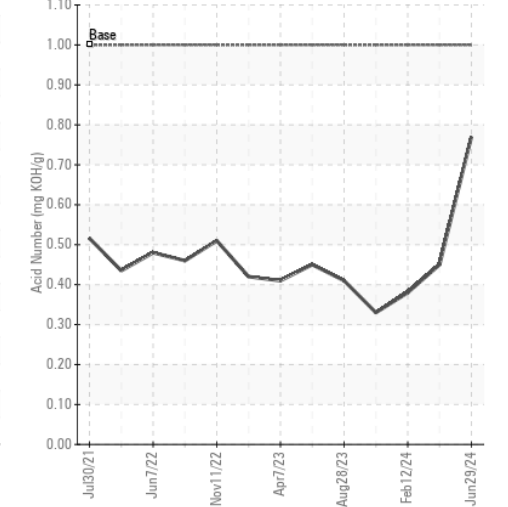
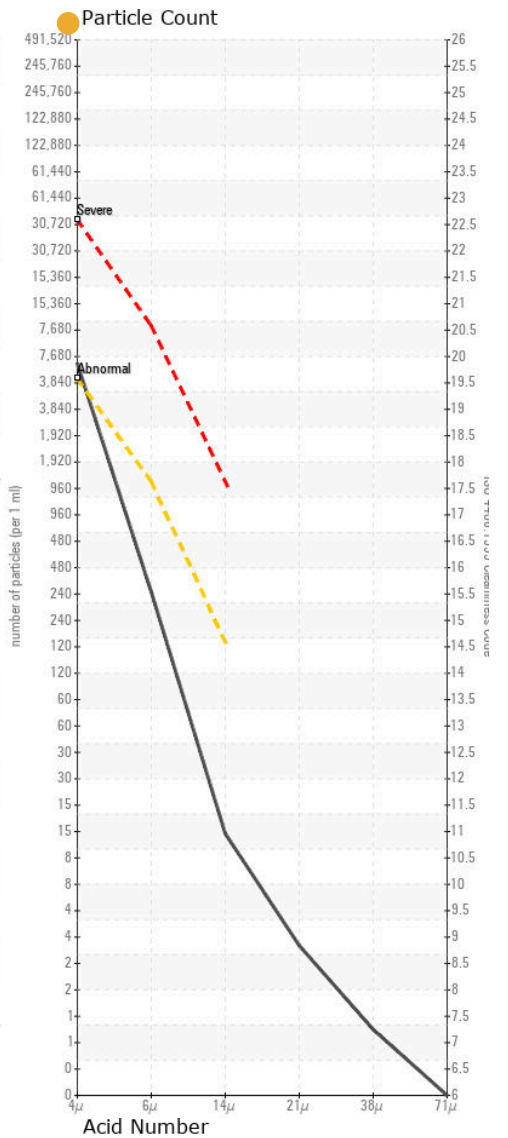
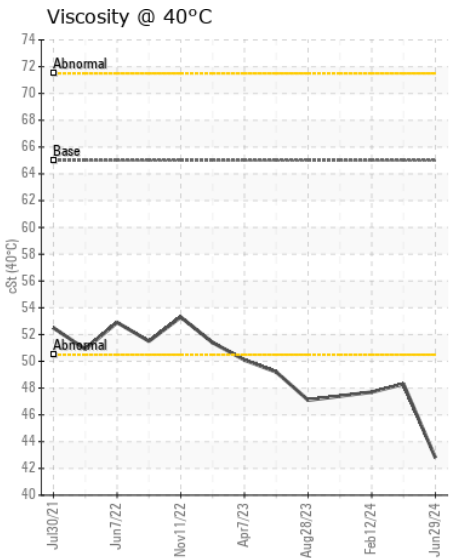
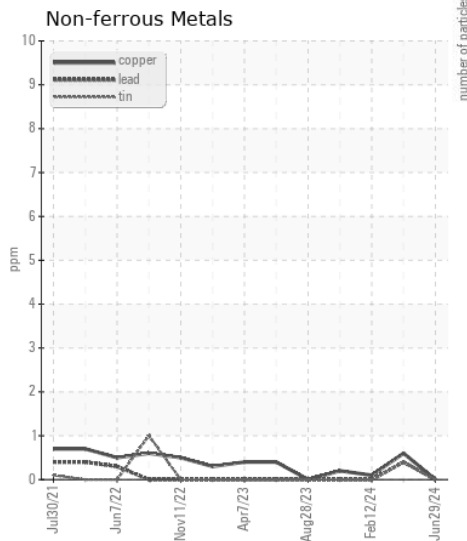
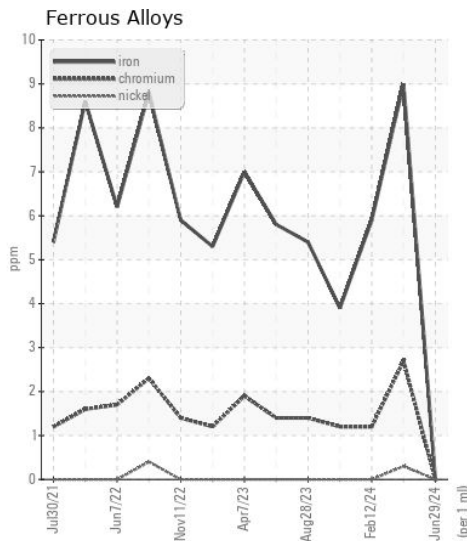
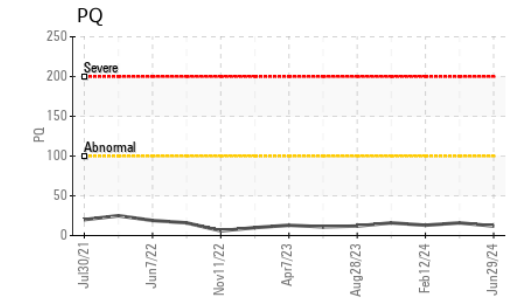
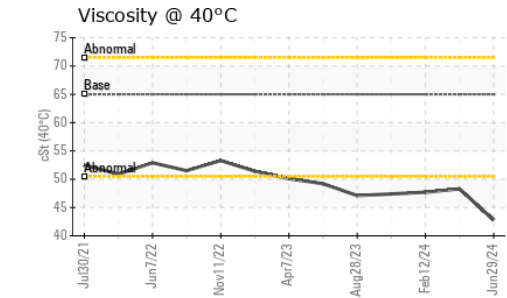
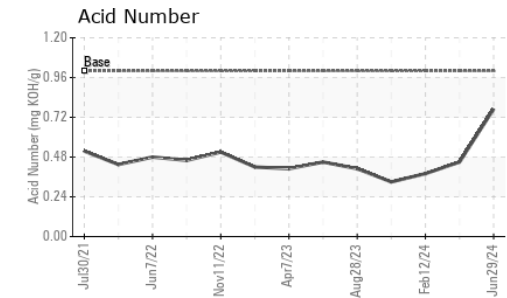
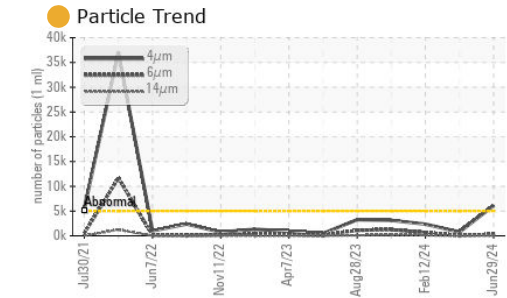
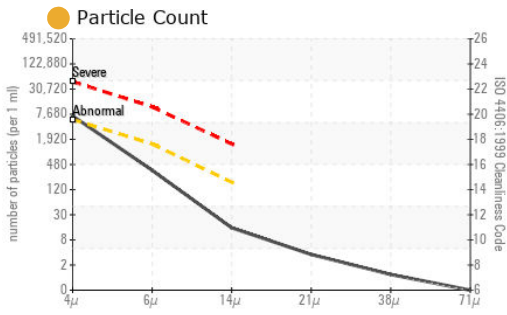
There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>2</b>	2	<1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>6098</b>	765	2354
Particles >6µm		ASTM D7647	>1300	<b>307</b>	68	680
Particles >14µm		ASTM D7647	>160	<b>13</b>	5	110
Particles >21µm		ASTM D7647	>40	<b>3</b>	2	41
Particles >38µm		ASTM D7647	>10	<b>1</b>	0	3
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/15/11</b>	17/13/10	18/17/14
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	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>2</b>	<1	0
Boron	ppm	ASTM D5185m		<b>2</b>	<1	1
Barium	ppm	ASTM D5185m		<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>13</b>	3	2
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>53</b>	14	11
Calcium	ppm	ASTM D5185m	87	<b>246</b>	206	144
Phosphorus	ppm	ASTM D5185m	727	<b>475</b>	516	407
Zinc	ppm	ASTM D5185m	900	<b>529</b>	605	491
Sulfur	ppm	ASTM D5185m	1500	<b>1804</b>	1352	1178
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.77</b>	0.45	0.38
Visc @ 40°C	cSt	ASTM D445	65	<b>42.8</b>	48.3	47.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0225705 **Received** : 02 Jul 2024  
**Lab Number** : 06226109 **Tested** : 03 Jul 2024  
**Unique Number** : 11109602 **Diagnosed** : 05 Jul 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

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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