



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

Area

**[C3 FARM & TIMBER]**

Machine Id

**JOHN DEERE 848L 1DW848LBCNF714477**

Component

**Hydraulic System**

Fluid

**JOHN DEERE HYDRAU (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0222024</b>	JR0208927	JR0164652
Sample Date		Client Info		<b>18 Jun 2024</b>	23 May 2024	08 Mar 2024
Machine Age	hrs	Client Info		<b>3996</b>	3828	3379
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ATTENTION	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	<b>13</b>	16	11
Chromium	ppm	ASTM D5185m	>10	<b>6</b>	7	5
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	1	2
Lead	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>75	<b>&lt;1</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

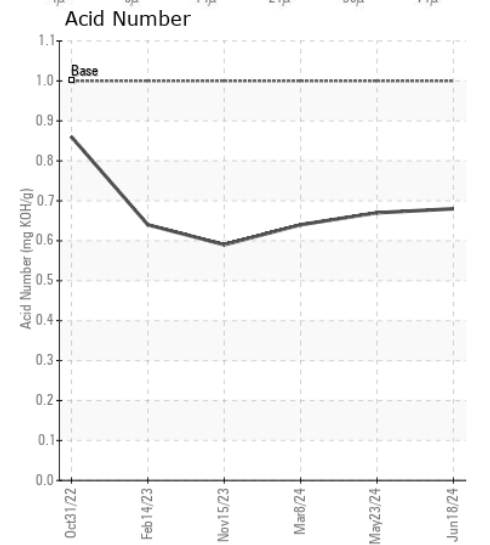
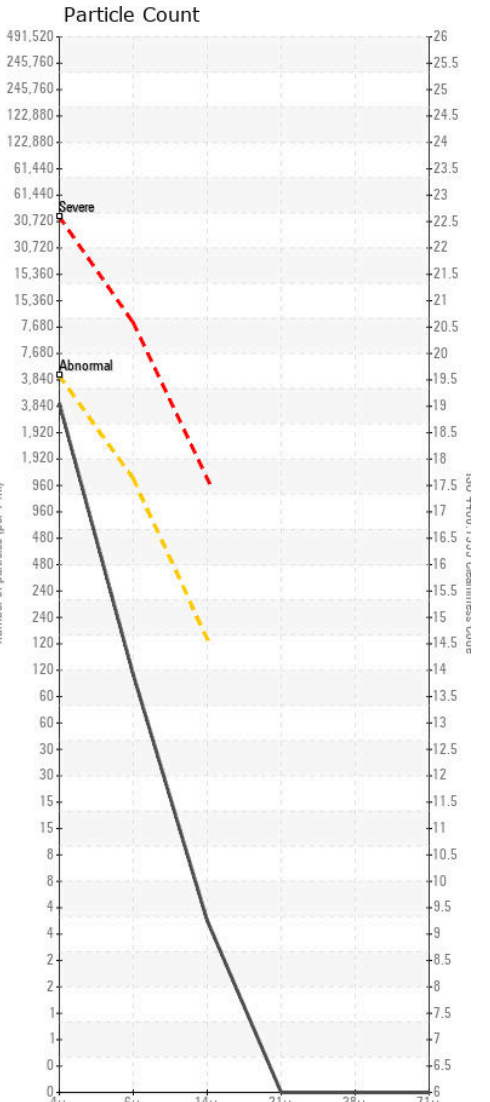
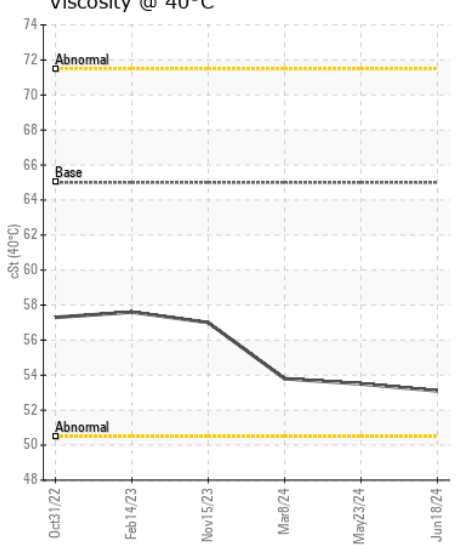
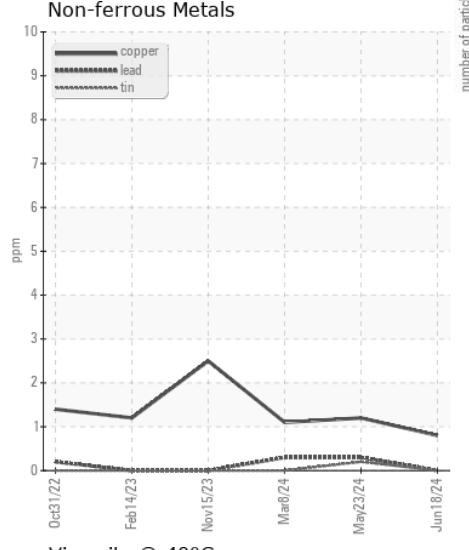
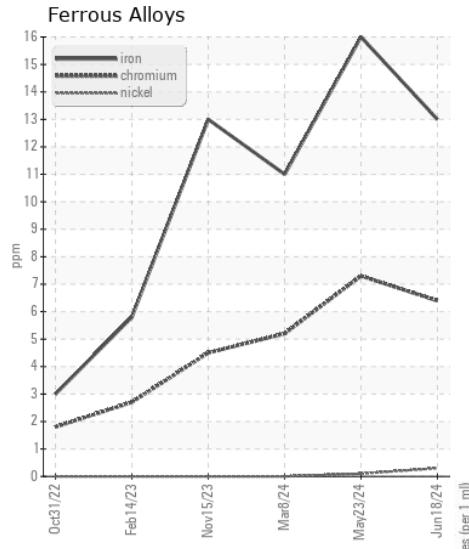
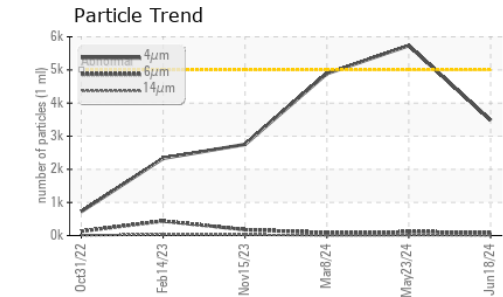
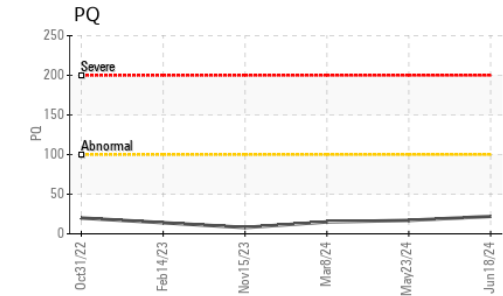
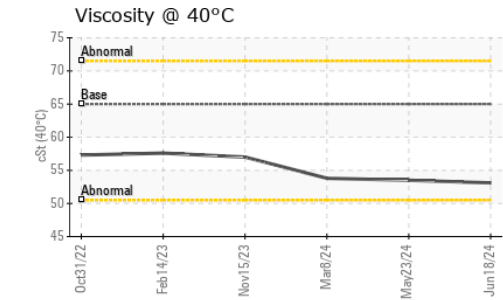
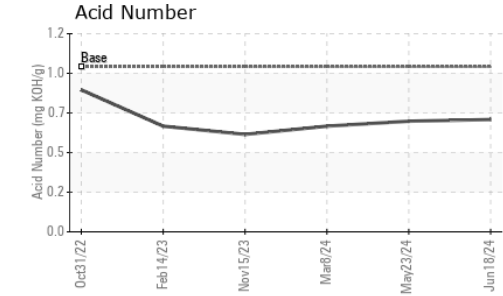
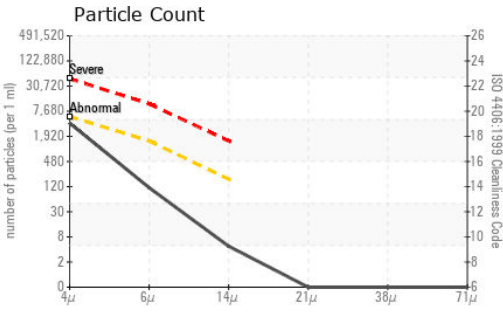
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>20	<b>10</b>	11	9
Potassium	ppm	ASTM D5185m	>20	<b>8</b>	6	6
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>3483</b>	5735	4889
Particles >6µm		ASTM D7647	>1300	<b>100</b>	109	85
Particles >14µm		ASTM D7647	>160	<b>4</b>	10	6
Particles >21µm		ASTM D7647	>40	<b>0</b>	2	2
Particles >38µm		ASTM D7647	>10	<b>0</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>19/14/9</b>	20/14/10	19/14/10
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 oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>5</b>	1	<1
Boron	ppm	ASTM D5185m		<b>25</b>	29	23
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>19</b>	22	20
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>70</b>	72	65
Calcium	ppm	ASTM D5185m	87	<b>404</b>	401	377
Phosphorus	ppm	ASTM D5185m	727	<b>635</b>	607	597
Zinc	ppm	ASTM D5185m	900	<b>796</b>	781	755
Sulfur	ppm	ASTM D5185m	1500	<b>2195</b>	1915	1910
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.68</b>	0.67	0.64
Visc @ 40°C	cSt	ASTM D445	65	<b>53.1</b>	53.5	53.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0222024 **Received** : 20 Jun 2024  
**Lab Number** : 06215716 **Tested** : 21 Jun 2024  
**Unique Number** : 11088580 **Diagnosed** : 22 Jun 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GREENVILLE**  
 3604 HIGHWAY 264 E  
 GREENVILLE, NC  
 US 27834-5800

Contact: GREENVILLE SHOP  
 christopher.martin@jamesriverequipment.com

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)

T:  
F: