



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

Area  
**[W22653 RV MLUS]**

Machine Id  
**JOHN DEERE 843L-II 1DW843LBPNF714405**

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>JR0225834</b>	JR0199681	JR0179595
Sample Date		Client Info		<b>28 Jun 2024</b>	20 Mar 2024	12 Jan 2024
Machine Age	hrs	Client Info		<b>1298</b>	857	446
Oil Age	hrs	Client Info		<b>1298</b>	857	0
Filter Age	hrs	Client Info		<b>1298</b>	857	0
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Filter Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	<b>8</b>	7	5
Chromium	ppm	ASTM D5185m	>10	<b>5</b>	4	2
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</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>	0	0
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	0
Copper	ppm	ASTM D5185m	>75	<b>5</b>	5	5
Tin	ppm	ASTM D5185m	>10	<b>0</b>	3	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

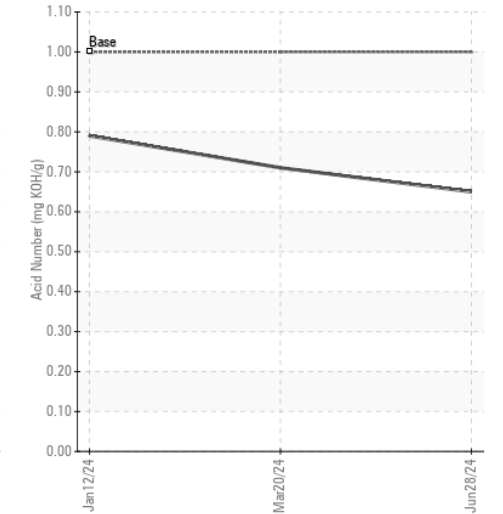
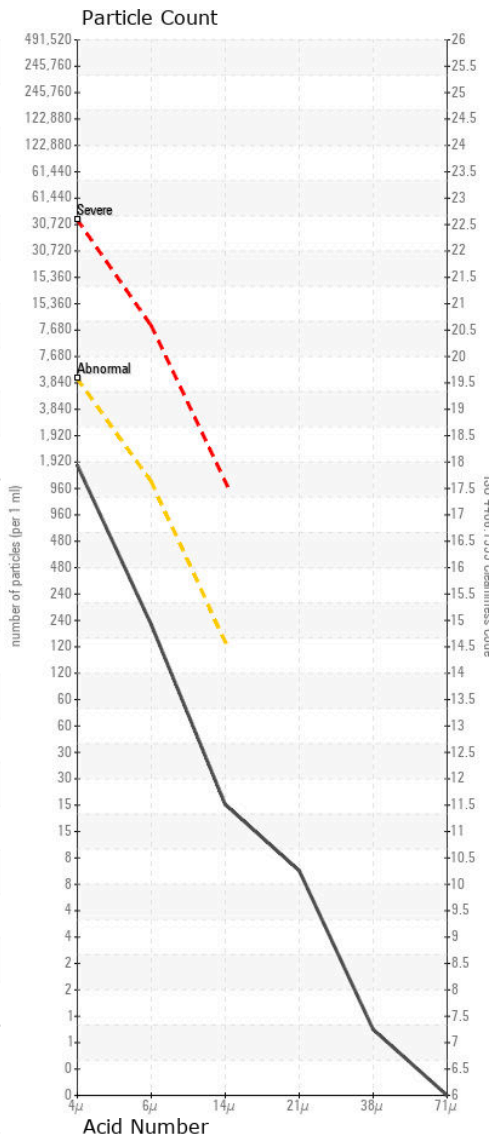
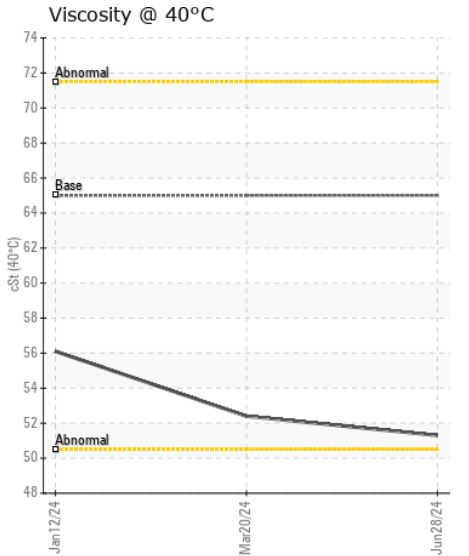
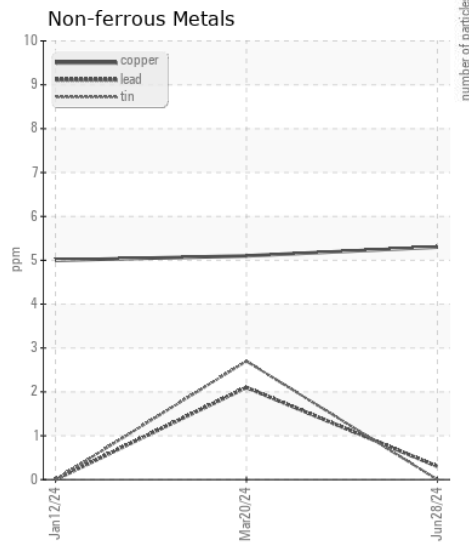
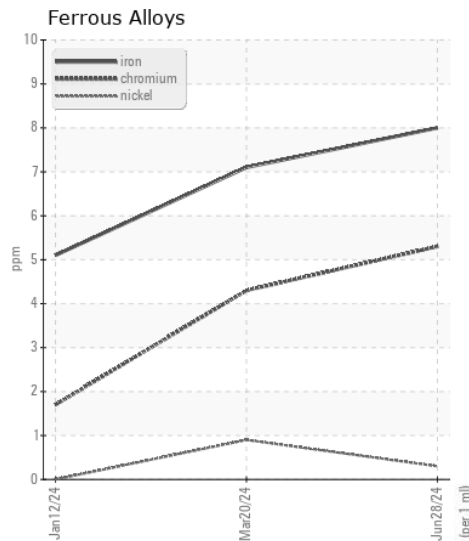
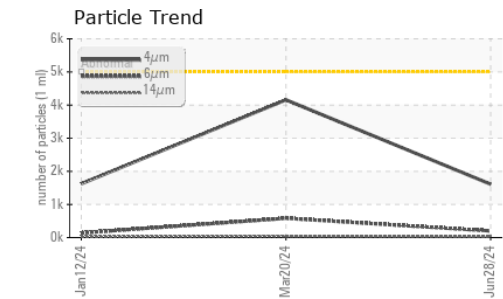
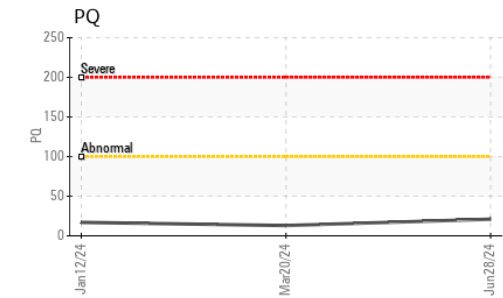
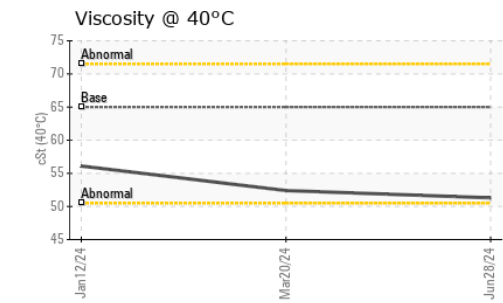
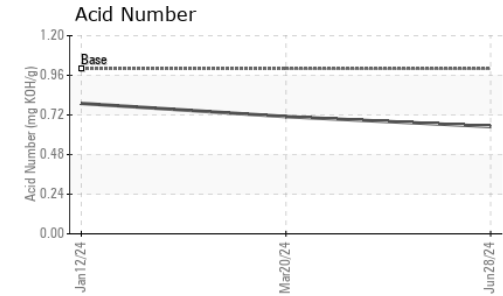
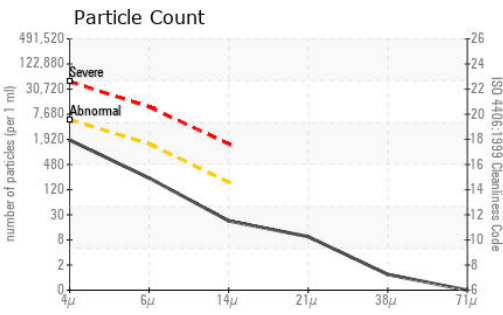
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>20	<b>6</b>	7	6
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	3	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>1611</b>	4158	1625
Particles >6µm		ASTM D7647	>1300	<b>200</b>	583	139
Particles >14µm		ASTM D7647	>160	<b>19</b>	36	18
Particles >21µm		ASTM D7647	>40	<b>8</b>	9	5
Particles >38µm		ASTM D7647	>10	<b>1</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>18/15/11</b>	19/16/12	18/14/11
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</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>2</b>	2	<1
Boron	ppm	ASTM D5185m		<b>0</b>	<1	0
Barium	ppm	ASTM D5185m		<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>3</b>	<1	0
Calcium	ppm	ASTM D5185m	87	<b>92</b>	95	87
Phosphorus	ppm	ASTM D5185m	727	<b>668</b>	588	683
Zinc	ppm	ASTM D5185m	900	<b>878</b>	739	881
Sulfur	ppm	ASTM D5185m	1500	<b>2370</b>	1961	1654
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.65</b>	0.71	0.79
Visc @ 40°C	cSt	ASTM D445	65	<b>51.3</b>	52.4	56.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : JR0225834  
 Lab Number : 06229083  
 Unique Number : 11112576  
 Test Package : CONST ( Additional Tests: PQ )

Received : 05 Jul 2024  
 Tested : 09 Jul 2024  
 Diagnosed : 09 Jul 2024 - Wes Davis

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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