



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

Machine Id  
**JOHN DEERE 848L 1DW848LBANF713291**

Component  
**Hydraulic System**

Fluid  
**JOHN DEERE HYDRAU (--- 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>JR0201256</b>	JR0182473	JR0176773
Sample Date		Client Info		<b>26 Feb 2024</b>	08 Sep 2023	20 Jul 2023
Machine Age	hrs	Client Info		<b>2009</b>	1537	1378
Oil Age	hrs	Client Info		<b>2009</b>	1537	1378
Filter Age	hrs	Client Info		<b>0</b>	1537	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Sample Status				<b>ATTENTION</b>	ABNORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	<b>4</b>	0	2
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	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>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>75	<b>12</b>	0	25
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	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

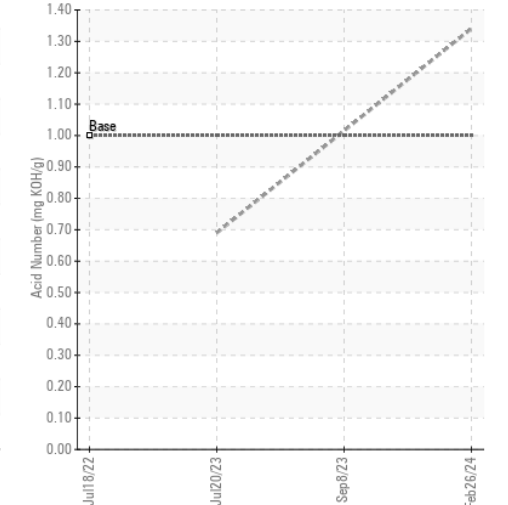
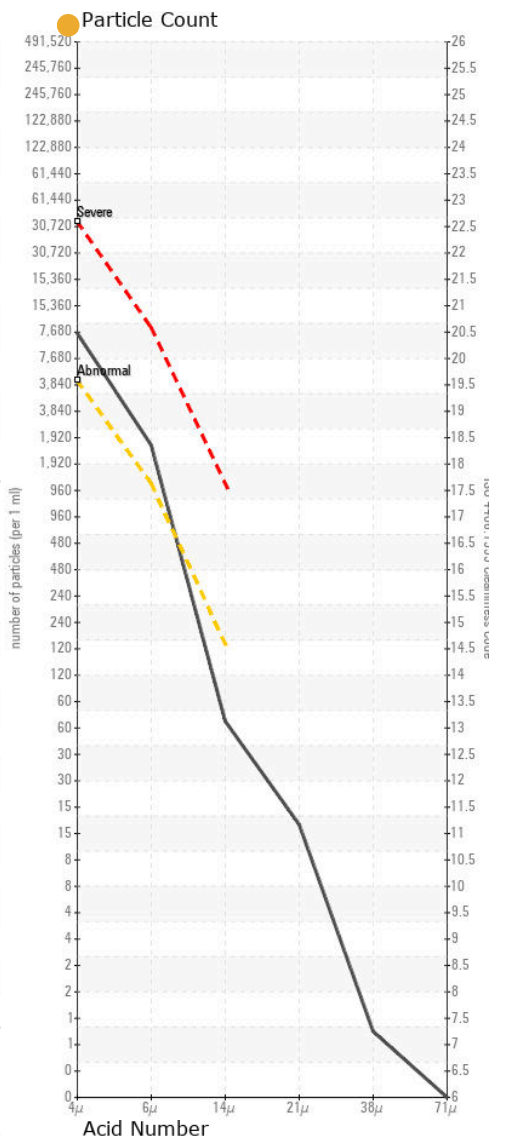
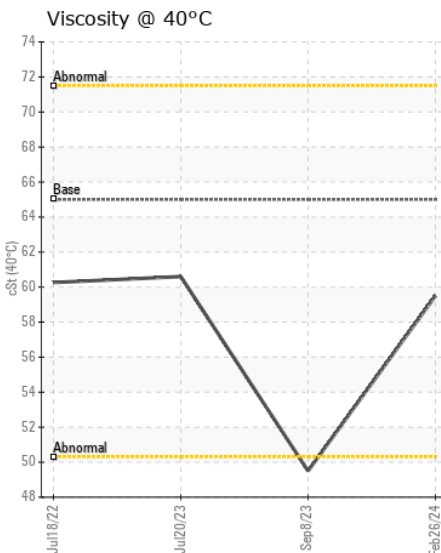
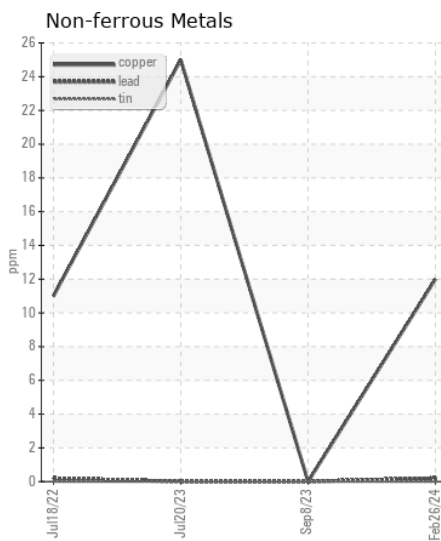
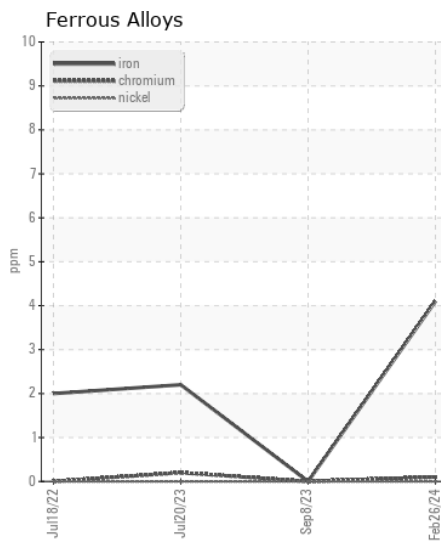
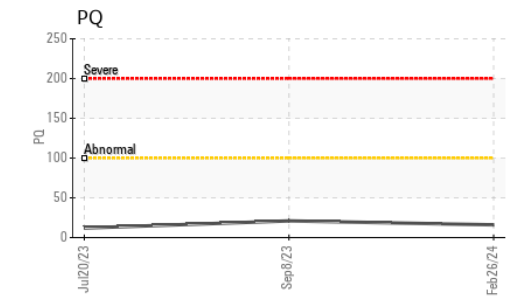
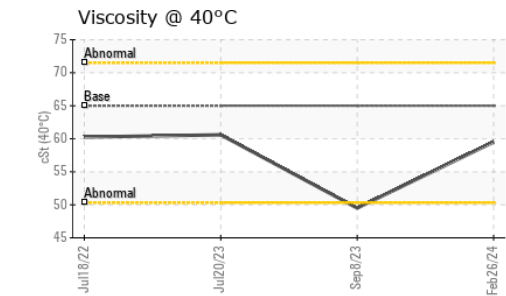
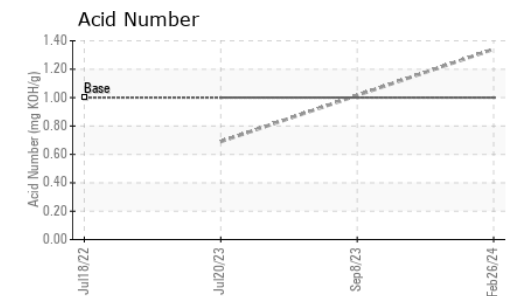
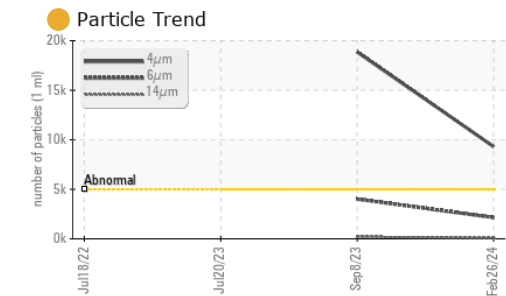
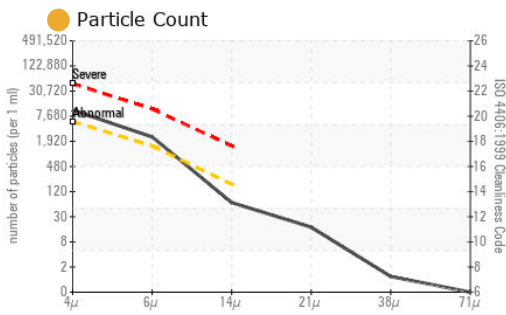
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>11</b>	<1	13
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	<1	3
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>9304</b>	▲ 18854	---
Particles >6µm		ASTM D7647	>1300	<b>2146</b>	▲ 4015	---
Particles >14µm		ASTM D7647	>160	<b>58</b>	● 204	---
Particles >21µm		ASTM D7647	>40	<b>15</b>	33	---
Particles >38µm		ASTM D7647	>10	<b>1</b>	0	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/18/13</b>	▲ 21/19/15	---
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 acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>2</b>	<1	2
Boron	ppm	ASTM D5185m		<b>51</b>	0	57
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>16</b>	0	19
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>75</b>	0	73
Calcium	ppm	ASTM D5185m	87	<b>563</b>	● 0	428
Phosphorus	ppm	ASTM D5185m	727	<b>695</b>	● 2	704
Zinc	ppm	ASTM D5185m	900	<b>873</b>	● 0	901
Sulfur	ppm	ASTM D5185m	1500	<b>1888</b>	● 0	2314
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>1.341</b>	---	0.69
Visc @ 40°C	cSt	ASTM D445	65	<b>59.5</b>	49.5	60.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0201256

Lab Number : 06102878

Unique Number : 10901108

Test Package : CONST ( Additional Tests: PQ )

Received : 28 Feb 2024

Tested : 29 Feb 2024

Diagnosed : 01 Mar 2024 - Angela Borella

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)

**JRE - NEW BERN**  
3816 MARTIN LUTHER KING BLVD  
NEW BERN, NC  
US 28562

Contact: NEW BERN SHOP

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