



Machine Id  
**JOHN DEERE 850L 1T0850LXKNF426545**  
 Component  
**Right Outer Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (18 GAL)**

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

### WEAR

Gear wear is indicated.

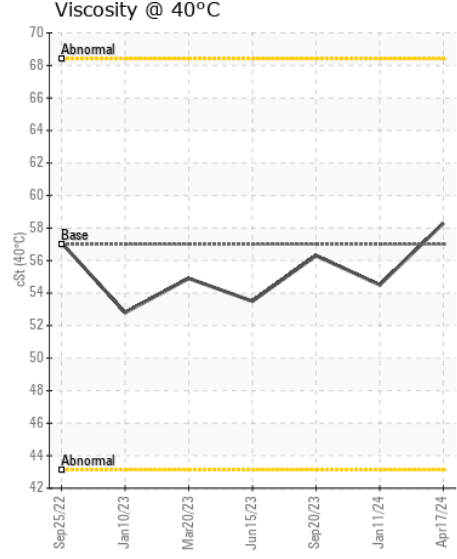
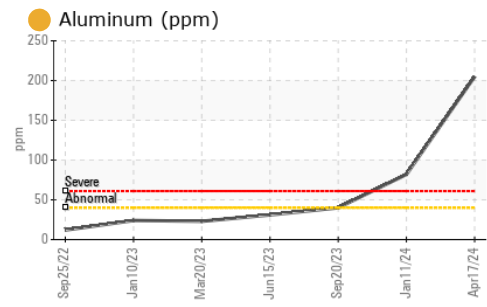
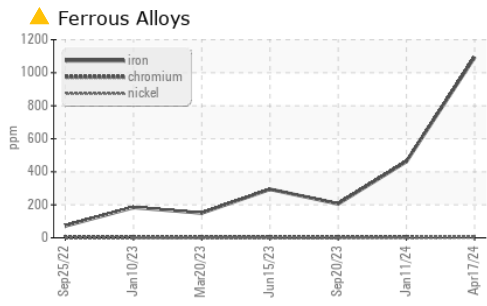
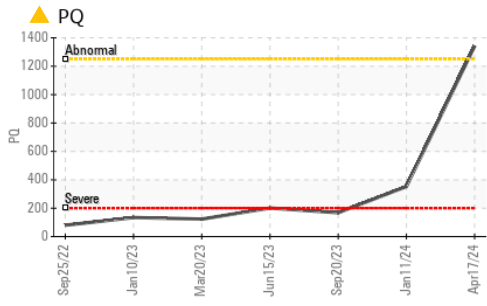
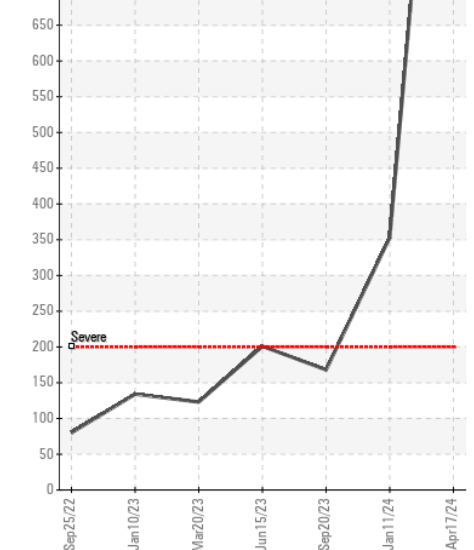
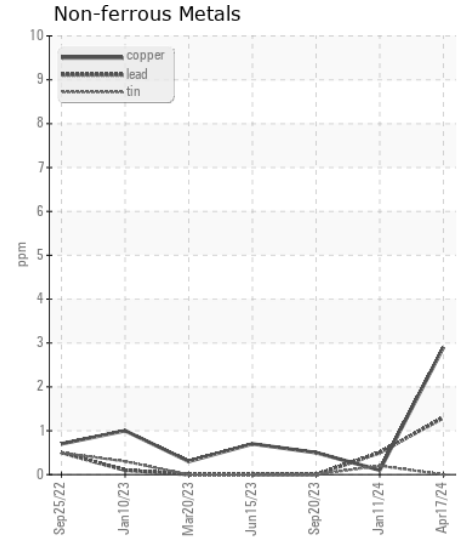
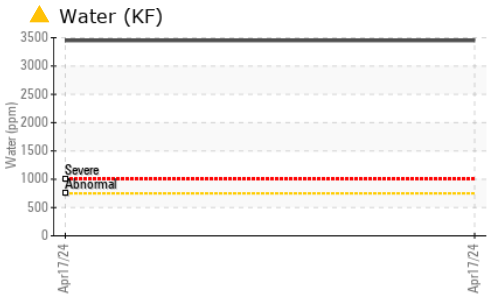
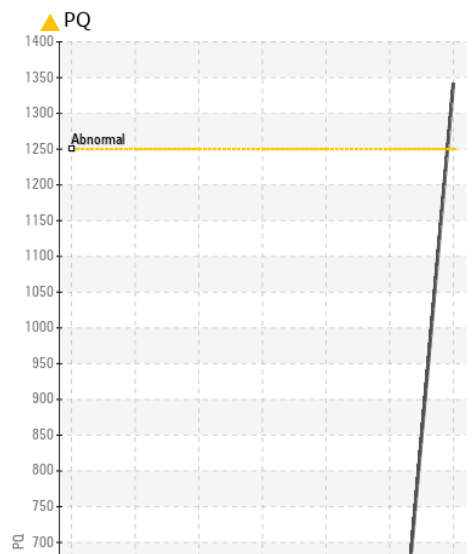
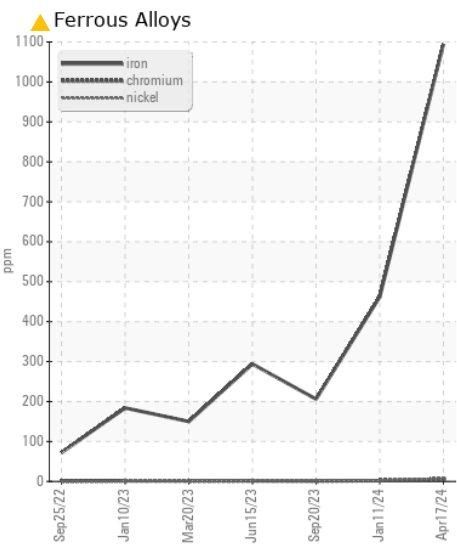
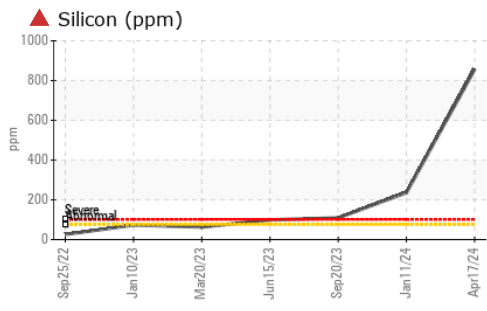
### CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a light concentration of water present in the oil.

### FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0211243</b>	JR0192034	JR0187788
Sample Date		Client Info		<b>17 Apr 2024</b>	11 Jan 2024	20 Sep 2023
Machine Age	hrs	Client Info		<b>3461</b>	2977	2444
Oil Age	hrs	Client Info		<b>484</b>	1000	500
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	N/A
Filter Changed		Client Info		<b>None</b>	N/A	N/A
Sample Status				<b>SEVERE</b>	ABNORMAL	ABNORMAL
PQ		ASTM D8184	>1250	<b>▲ 1342</b>	353	168
Iron	ppm	ASTM D5185m	>750	<b>▲ 1094</b>	462	206
Chromium	ppm	ASTM D5185m	>9	<b>5</b>	2	1
Nickel	ppm	ASTM D5185m	>10	<b>8</b>	3	2
Titanium	ppm	ASTM D5185m		<b>24</b>	5	2
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>● 205</b>	● 82	● 40
Lead	ppm	ASTM D5185m	>15	<b>1</b>	<1	0
Copper	ppm	ASTM D5185m	>40	<b>3</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	<b>▲ 856</b>	▲ 236	▲ 109
Potassium	ppm	ASTM D5185m	>20	<b>35</b>	17	10
Water	%	ASTM D6304	>0.075	<b>▲ 0.345</b>	---	---
ppm Water	ppm	ASTM D6304	>750	<b>▲ 3450</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	▲ HEAVY	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
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>▲ 0.2%</b>	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	<b>22</b>	9	1
Boron	ppm	ASTM D5185m	6	<b>8</b>	6	6
Barium	ppm	ASTM D5185m	0	<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>6</b>	4	5
Manganese	ppm	ASTM D5185m		<b>15</b>	4	2
Magnesium	ppm	ASTM D5185m	145	<b>124</b>	135	119
Calcium	ppm	ASTM D5185m	3570	<b>3350</b>	3298	3379
Phosphorus	ppm	ASTM D5185m	1290	<b>1113</b>	1125	1028
Zinc	ppm	ASTM D5185m	1640	<b>1210</b>	1290	1275
Sulfur	ppm	ASTM D5185m		<b>4852</b>	3584	4000
Visc @ 40°C	cSt	ASTM D445	57.0	<b>58.3</b>	54.5	56.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0211243 **Received** : 18 Apr 2024  
**Lab Number** : 06153391 **Tested** : 22 Apr 2024  
**Unique Number** : 10983469 **Diagnosed** : 22 Apr 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: KF, PQ )

**B & S SITE DEVELOPMENT**  
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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)