



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



Area  
**[W8862]**  
 Machine Id  
**JOHN DEERE 850K 1T0850KXJHF318966**  
 Component  
**Right Inner Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (4 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W8862 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0196876</b>	JR0108260	---
Sample Date		Client Info		<b>06 May 2024</b>	04 Nov 2021	---
Machine Age	hrs	Client Info		<b>4412</b>	2405	---
Oil Age	hrs	Client Info		<b>4412</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>17</b>	108	---
Iron	ppm	ASTM D5185m	>750	<b>22</b>	229	---
Chromium	ppm	ASTM D5185m	>9	<b>0</b>	2	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>40	<b>1</b>	<1	---
Lead	ppm	ASTM D5185m	>15	<b>1</b>	1	---
Copper	ppm	ASTM D5185m	>40	<b>0</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	VLITE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

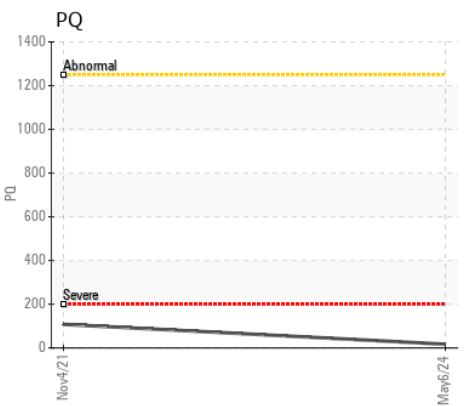
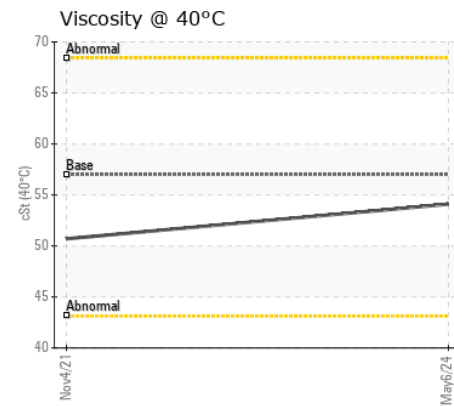
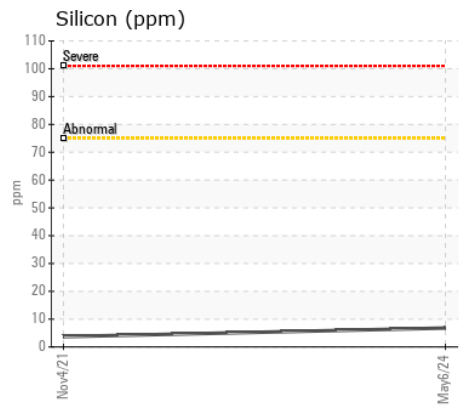
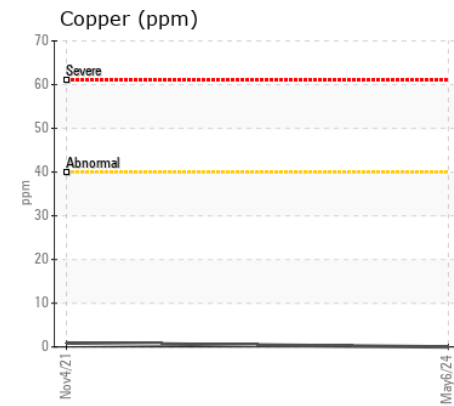
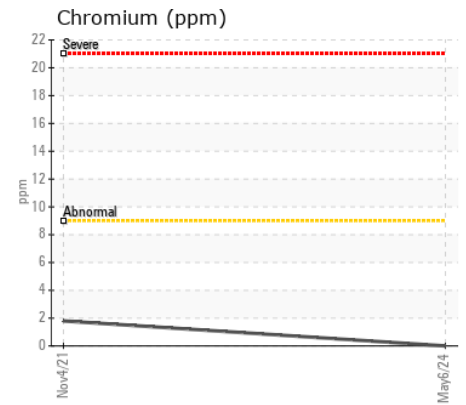
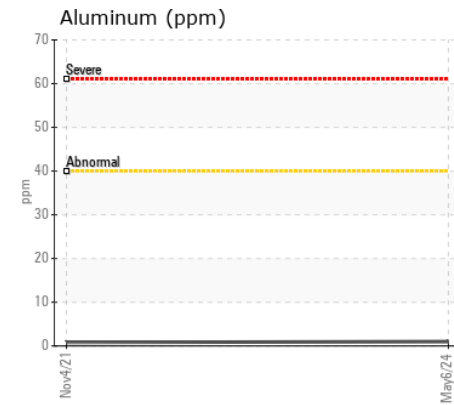
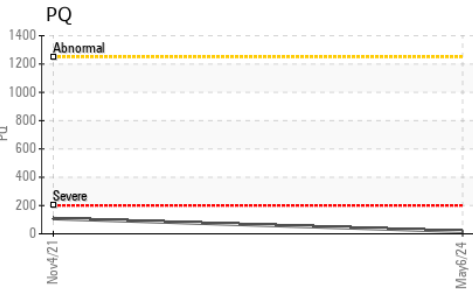
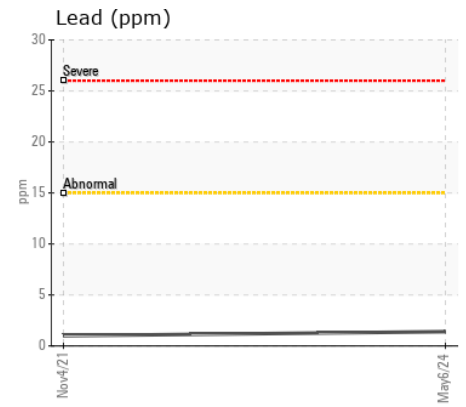
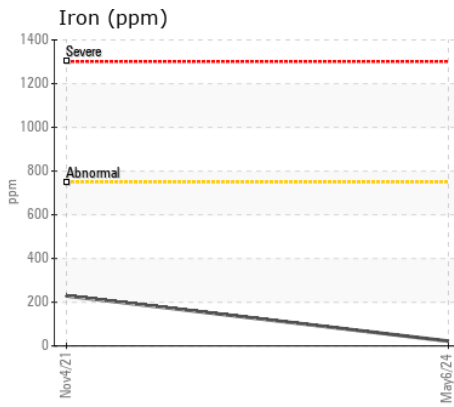
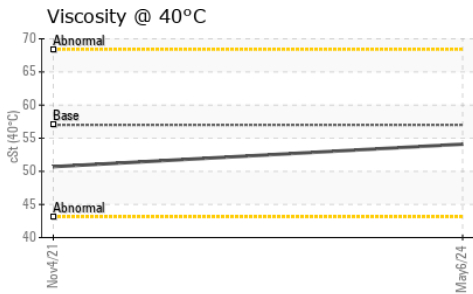
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>7</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	NEG	---

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>&lt;1</b>	4	---
Boron	ppm	ASTM D5185m	6	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	3	---
Magnesium	ppm	ASTM D5185m	145	<b>110</b>	116	---
Calcium	ppm	ASTM D5185m	3570	<b>3615</b>	4173	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1113</b>	1193	---
Zinc	ppm	ASTM D5185m	1640	<b>1376</b>	1354	---
Sulfur	ppm	ASTM D5185m		<b>4336</b>	3638	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>54.1</b>	50.7	---



Certificate L2367

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

**Sample No.** : JR0196876

**Lab Number** : 06174210

**Unique Number** : 11020263

**Test Package** : MOBCE ( Additional Tests: PQ )

**Received** : 09 May 2024

**Tested** : 10 May 2024

**Diagnosed** : 12 May 2024 - Don Baldrige

**JRE - HOPE MILLS/FAYETTEVILLE**

5039 HWY 301 SOUTH

HOPE MILLS, NC

US 28348

Contact: FAYETTEVILLE SHOP

stephen.mullis@jamesriverequipment.com;canastasio@wearcheck.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)

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F: