



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

Area  
**[W7072]**  
 Machine Id  
**JOHN DEERE 843L C236596 (S/N 1DW843LRMF710940)**  
 Component  
**Differential**  
 Fluid  
**JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W7072 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0196981</b>	JR0098241	---
Sample Date		Client Info		<b>21 Jun 2024</b>	23 Jun 2022	---
Machine Age	hrs	Client Info		<b>5000</b>	1155	---
Oil Age	hrs	Client Info		<b>3845</b>	1155	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>98</b>	106	---
Iron	ppm	ASTM D5185m	>500	<b>309</b>	267	---
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	3	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	4	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	1	---
Copper	ppm	ASTM D5185m	>100	<b>12</b>	17	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

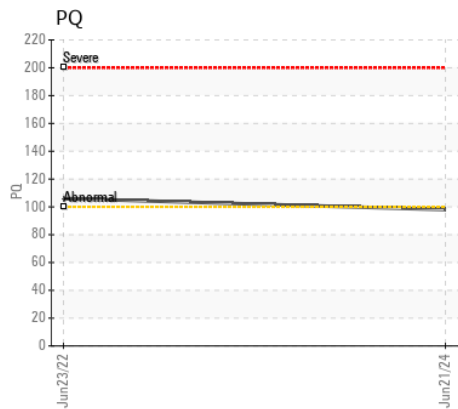
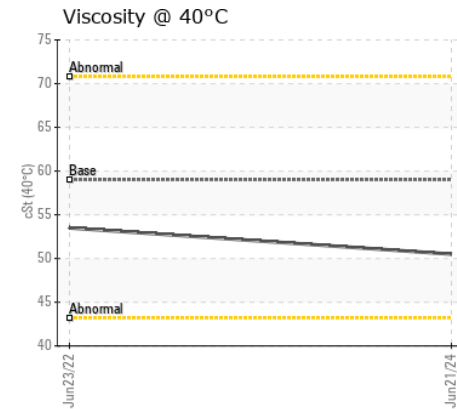
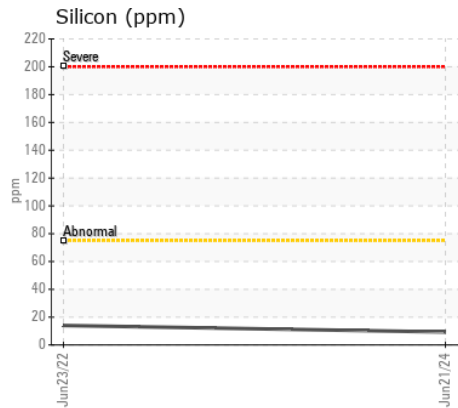
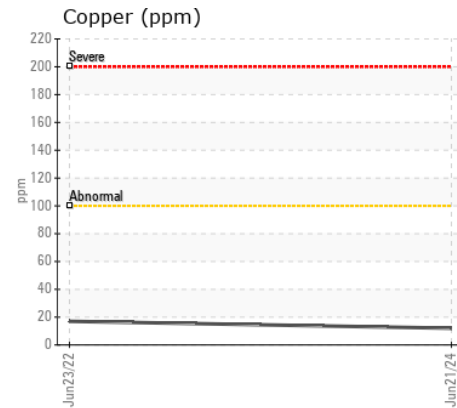
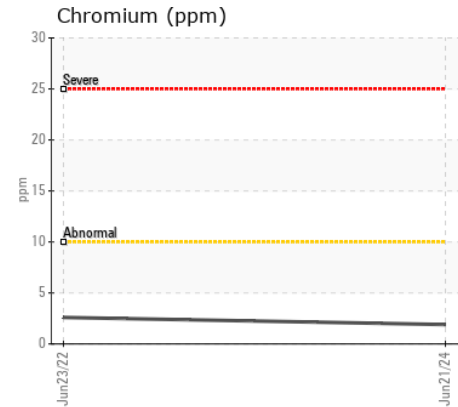
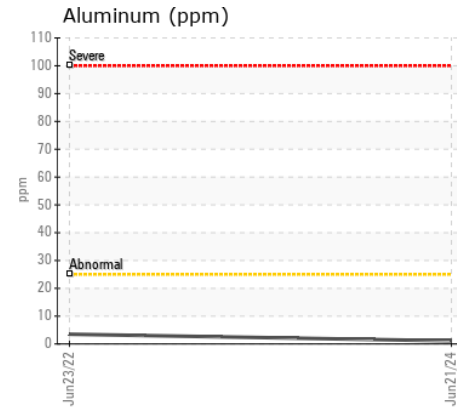
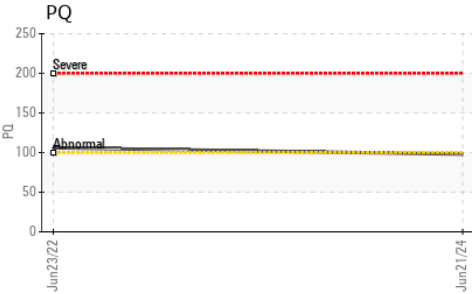
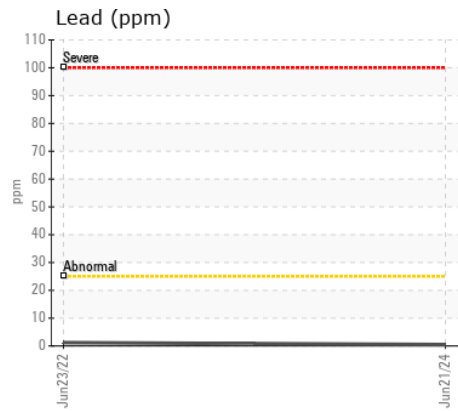
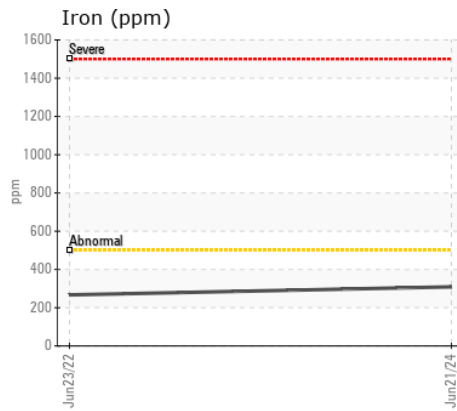
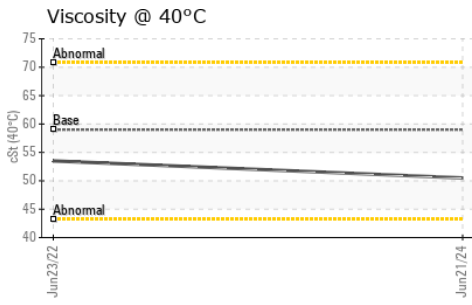
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>75	<b>9</b>	14	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	---
Water		WC Method	>.2	<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	>.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		<b>2</b>	2	---
Boron	ppm	ASTM D5185m		<b>2</b>	<1	---
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	5	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>4</b>	6	---
Magnesium	ppm	ASTM D5185m		<b>104</b>	96	---
Calcium	ppm	ASTM D5185m		<b>3394</b>	3511	---
Phosphorus	ppm	ASTM D5185m		<b>1029</b>	1038	---
Zinc	ppm	ASTM D5185m		<b>1209</b>	1229	---
Sulfur	ppm	ASTM D5185m		<b>3967</b>	3810	---
Visc @ 40°C	cSt	ASTM D445	59	<b>50.5</b>	53.5	---



Certificate L2367

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

**Sample No.** : JR0196981

**Lab Number** : 06221484

**Unique Number** : 11099681

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

**Received** : 26 Jun 2024

**Tested** : 27 Jun 2024

**Diagnosed** : 28 Jun 2024 - Sean Felton

**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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