



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

Machine Id  
**M09-0912 M09-0912**  
 Component  
**Rear Right Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0211438</b>	JR0124654	---
Sample Date		Client Info		<b>09 Jul 2024</b>	10 Oct 2022	---
Machine Age	hrs	Client Info		<b>5041</b>	1566	---
Oil Age	hrs	Client Info		<b>1000</b>	1566	---
Filter Age	hrs	Client Info		<b>1000</b>	1566	---
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>14</b>	13	---
Iron	ppm	ASTM D5185m	>500	<b>39</b>	21	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	---
Lead	ppm	ASTM D5185m	>25	<b>1</b>	<1	---
Copper	ppm	ASTM D5185m	>50	<b>2</b>	119	---
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>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

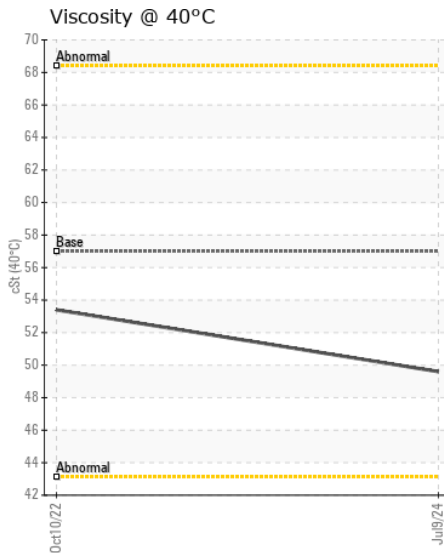
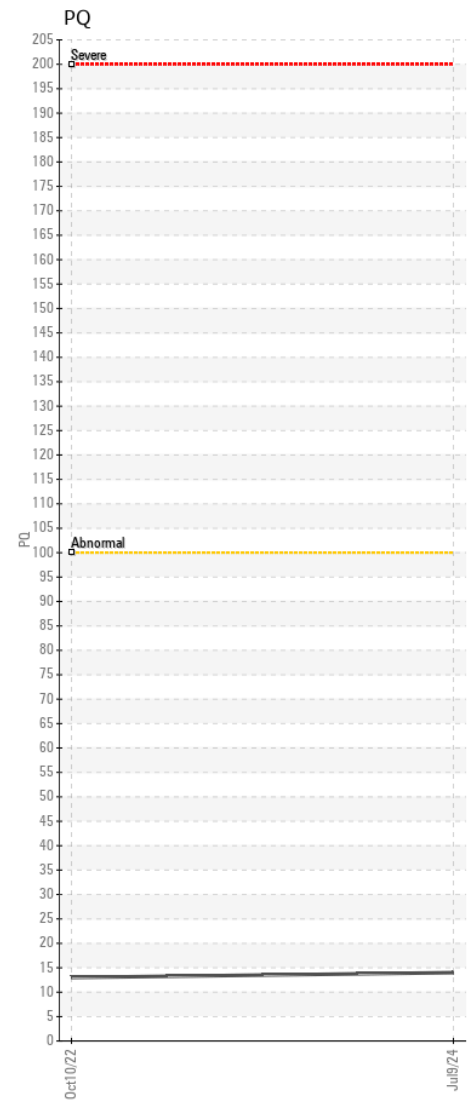
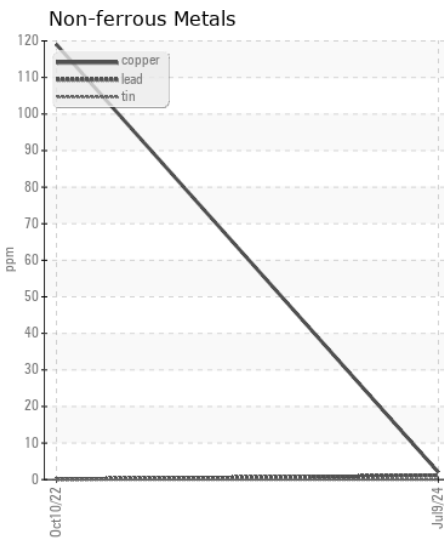
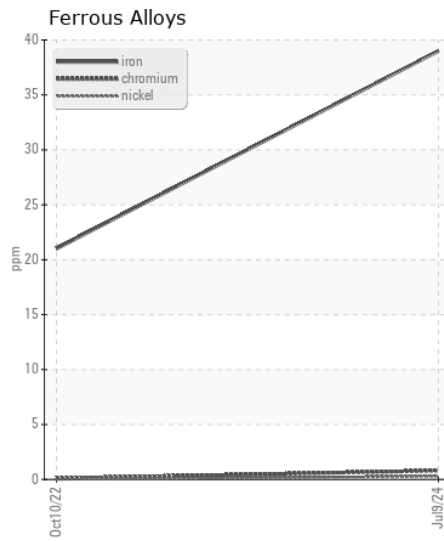
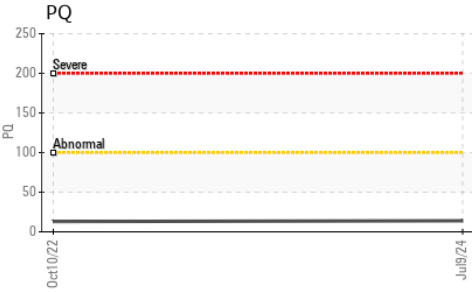
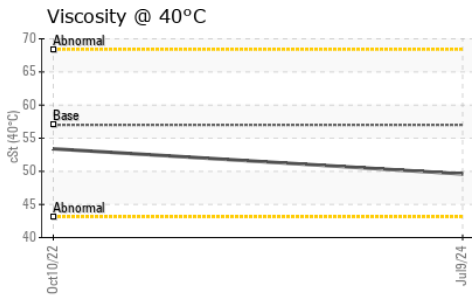
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>5</b>	21	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	---
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>0</b>	0	---
Boron	ppm	ASTM D5185m	6	<b>4</b>	2	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	145	<b>94</b>	93	---
Calcium	ppm	ASTM D5185m	3570	<b>3362</b>	3398	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1055</b>	999	---
Zinc	ppm	ASTM D5185m	1640	<b>1219</b>	1188	---
Sulfur	ppm	ASTM D5185m		<b>3924</b>	4080	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>49.6</b>	53.4	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0211438 **Received** : 15 Jul 2024  
**Lab Number** : 06236457 **Tested** : 16 Jul 2024  
**Unique Number** : 11125291 **Diagnosed** : 16 Jul 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

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)

**LUCK STONE - MILFORD**  
 19380 RICHMOND TURNPIKE  
 MILFORD, VA  
 US 22514  
 Contact: BRYAN MORRIS  
 bmorris@luckstone.com  
 T: (804)400-3630  
 F: x: