



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

Machine Id  
**JOHN DEERE 711759**

Component  
**Front Axle**

Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (9 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0193582</b>	---	---
Sample Date		Client Info		<b>18 Dec 2023</b>	---	---
Machine Age	hrs	Client Info		<b>4351</b>	---	---
Oil Age	hrs	Client Info		<b>4351</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		<b>52</b>	---	---
Iron	ppm	ASTM D5185m	>750	<b>214</b>	---	---
Chromium	ppm	ASTM D5185m	>11	<b>1</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>21	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185m	>49	<b>5</b>	---	---
Copper	ppm	ASTM D5185m	>101	<b>45</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>2</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

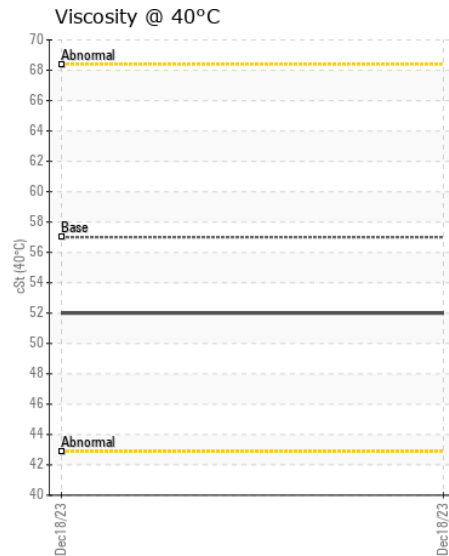
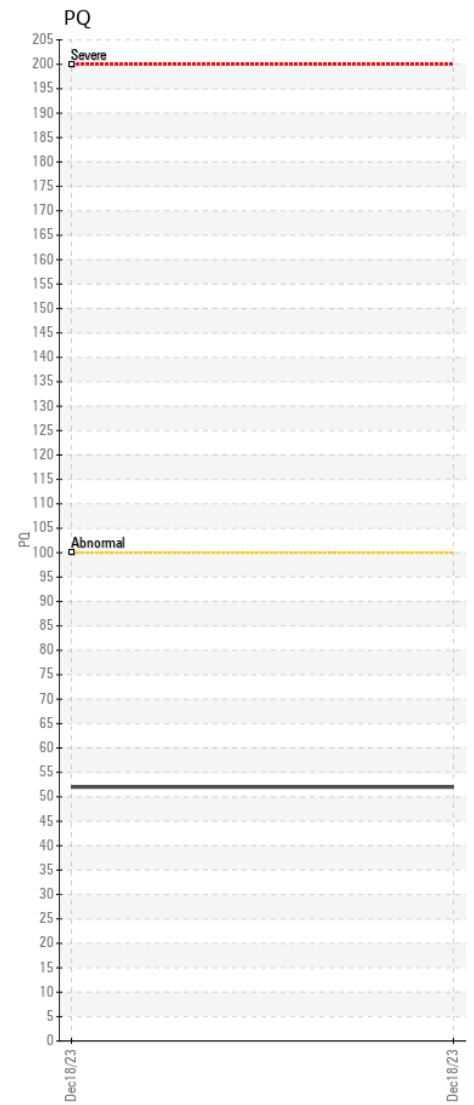
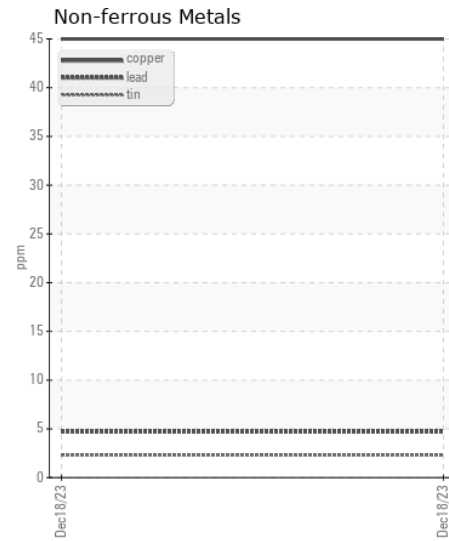
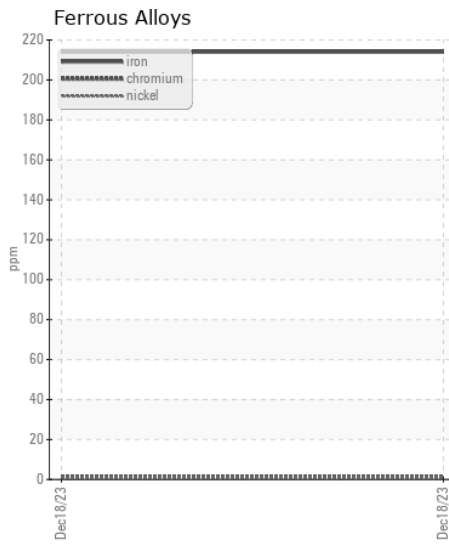
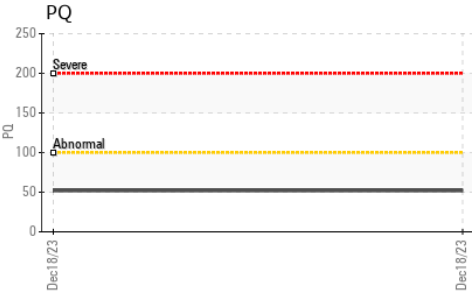
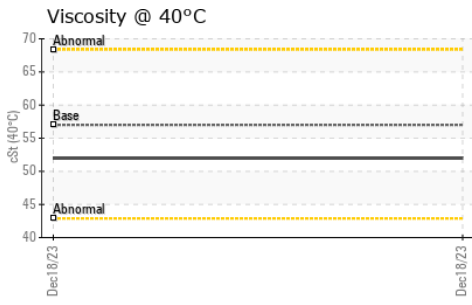
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>31	<b>10</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	---	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m	>51	<b>7</b>	---	---
Boron	ppm	ASTM D5185m	6	<b>4</b>	---	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	---	---
Manganese	ppm	ASTM D5185m		<b>6</b>	---	---
Magnesium	ppm	ASTM D5185m	145	<b>78</b>	---	---
Calcium	ppm	ASTM D5185m	3570	<b>3117</b>	---	---
Phosphorus	ppm	ASTM D5185m	1290	<b>903</b>	---	---
Zinc	ppm	ASTM D5185m	1640	<b>1120</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>3257</b>	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>52.0</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0193582 **Received** : 20 Dec 2023  
**Lab Number** : 06040734 **Tested** : 21 Dec 2023  
**Unique Number** : 10795963 **Diagnosed** : 22 Dec 2023 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**MILLS BROTHERS LOGGING**  
 1035 BIDDLE RD  
 DOVER, NC  
 US 28526  
 Contact: Service Manager

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)

T:  
F: