



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

Area  
**[16W16407]**

Machine Id  
**Lull 1044C 3600020 (S/N 0160038802)**

Component  
**Front Differential**

Fluid  
**JOHN DEERE GL-5 80W90 (11 QTS)**

### RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: 16W16407 )

### WEAR

All component wear rates are normal.

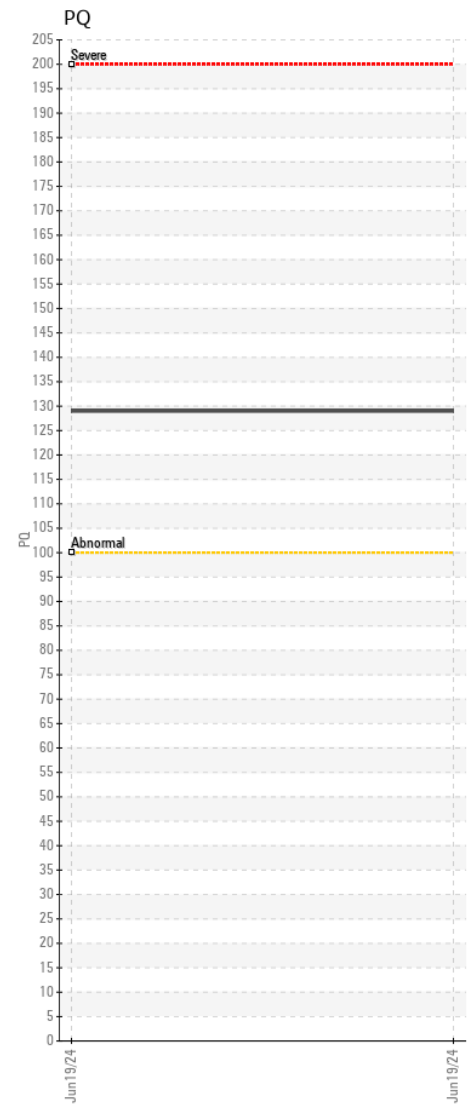
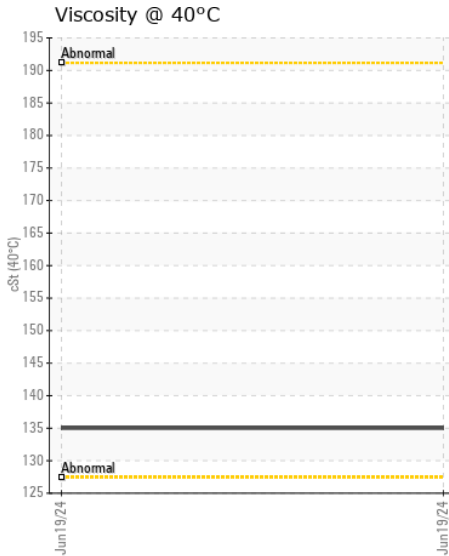
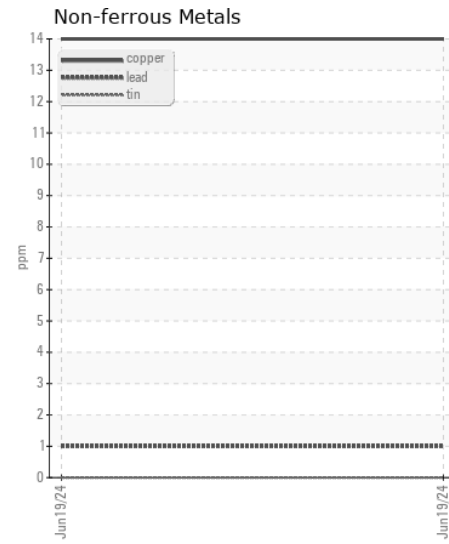
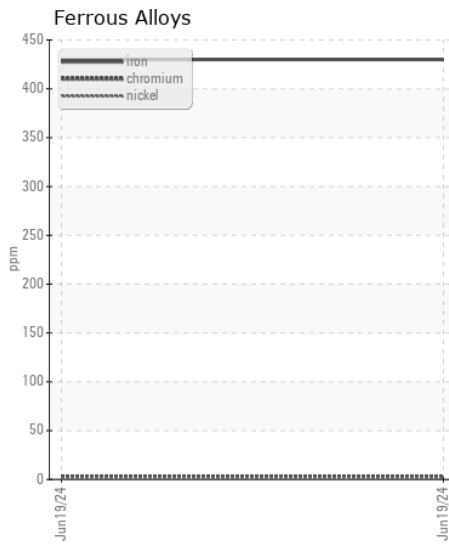
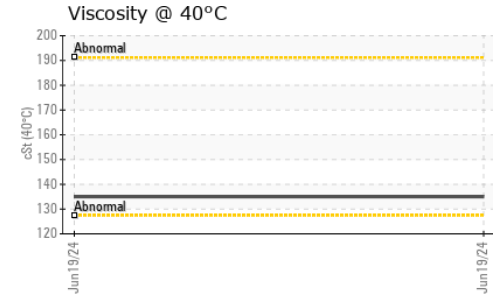
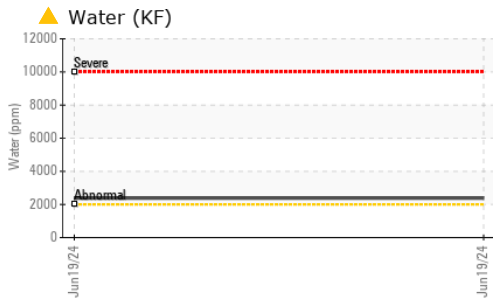
### CONTAMINATION

There is a light concentration of water present in the oil.

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0217221</b>	---	---
Sample Date		Client Info		<b>19 Jun 2024</b>	---	---
Machine Age	hrs	Client Info		<b>4153</b>	---	---
Oil Age	hrs	Client Info		<b>1000</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---
PQ		ASTM D8184		<b>129</b>	---	---
Iron	ppm	ASTM D5185m	>500	<b>430</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>10</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>25	<b>6</b>	---	---
Lead	ppm	ASTM D5185m	>25	<b>1</b>	---	---
Copper	ppm	ASTM D5185m	>100	<b>14</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>0</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>	---	---
Silicon	ppm	ASTM D5185m	>75	<b>39</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	---	---
Water	%	ASTM D6304	>.2	<b>▲ 0.238</b>	---	---
ppm Water	ppm	ASTM D6304	>2000	<b>▲ 2380</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	>.2	<b>0.2%</b>	---	---
Sodium	ppm	ASTM D5185m		<b>3</b>	---	---
Boron	ppm	ASTM D5185m		<b>0</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>28</b>	---	---
Manganese	ppm	ASTM D5185m		<b>4</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>7</b>	---	---
Calcium	ppm	ASTM D5185m		<b>314</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>308</b>	---	---
Zinc	ppm	ASTM D5185m		<b>131</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>20938</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>135</b>	---	---



Certificate L2367

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

**Sample No.** : JR0217221

**Lab Number** : 06217060

**Unique Number** : 11089924

**Test Package** : CONST ( Additional Tests: KF, PQ )

**Received** : 21 Jun 2024

**Tested** : 24 Jun 2024

**Diagnosed** : 24 Jun 2024 - Sean Felton

**JRE - CASTLE HAYNE**

113 CROWATAN ROAD

CASTLE HAYNE, NC

US 28429-5819

Contact: Jacob Harvey

jacob.harvey@jamesriverequipment.com

T:

F:

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)