



Machine Id  
**JOHN DEERE 4038R 1N04038RCE0001887**  
 Component  
**Rear Left Hub**  
 Fluid  
**JOHN DEERE GL-5 80W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0172271</b>	---	---
Sample Date		Client Info		<b>27 Jun 2024</b>	---	---
Machine Age	hrs	Client Info		<b>1515</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Not Changd</b>	---	---
Filter Changed		Client Info		<b>Not Changd</b>	---	---
Sample Status				<b>ATTENTION</b>	---	---

### WEAR

Metal levels are typical for a new component breaking in.

PQ		ASTM D8184		<b>37</b>	---	---
Iron	ppm	ASTM D5185m	>200	<b>777</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>11</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m		<b>4</b>	---	---
Lead	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185m		<b>269</b>	---	---
Tin	ppm	ASTM D5185m		<b>5</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>MODER</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

### CONTAMINATION

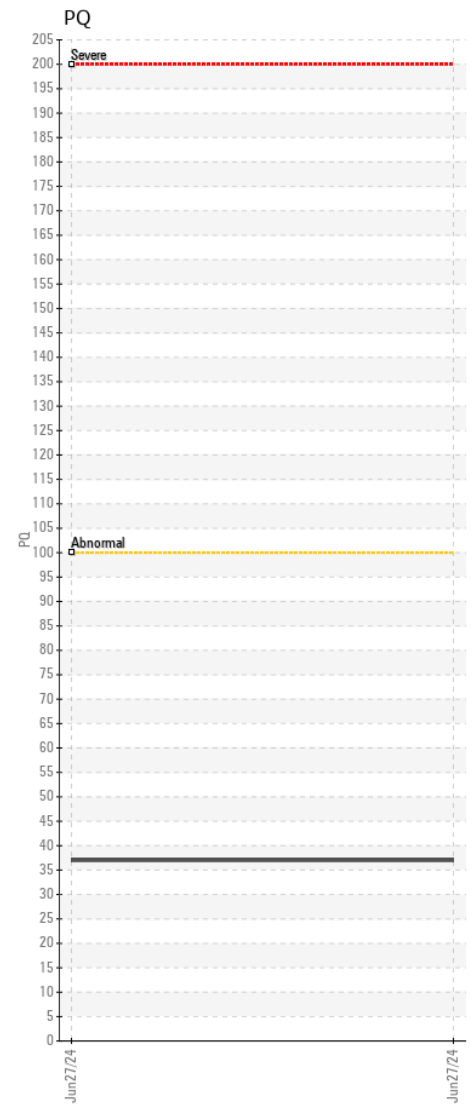
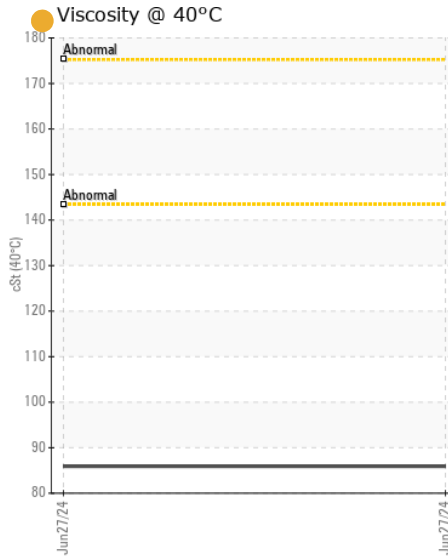
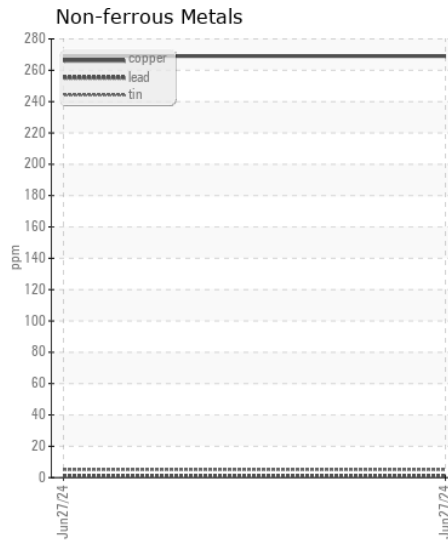
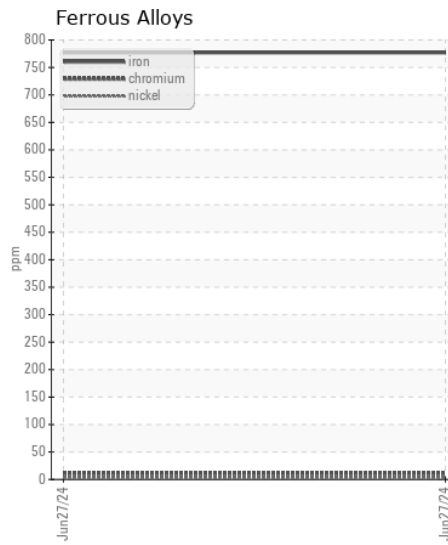
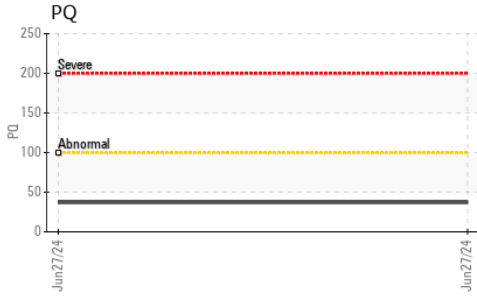
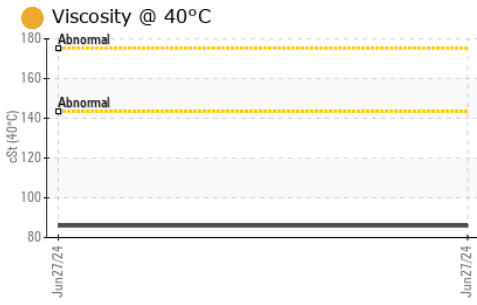
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m		<b>13</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	---	---
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	---	---

### FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>28</b>	---	---
Boron	ppm	ASTM D5185m		<b>188</b>	---	---
Barium	ppm	ASTM D5185m		<b>1</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>17</b>	---	---
Manganese	ppm	ASTM D5185m		<b>8</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>138</b>	---	---
Calcium	ppm	ASTM D5185m		<b>1254</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>1374</b>	---	---
Zinc	ppm	ASTM D5185m		<b>682</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>23771</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>85.9</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0172271 **Received** : 01 Jul 2024  
**Lab Number** : 06224790 **Tested** : 02 Jul 2024  
**Unique Number** : 11102987 **Diagnosed** : 02 Jul 2024 - Don Baldrige  
**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)

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