



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

Machine Id  
**JOHN DEERE 325G 338952**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (--- GAL)**

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

### WEAR

Gear wear is indicated.

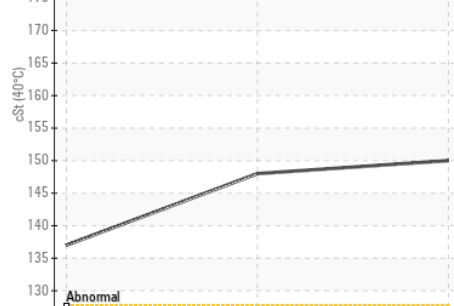
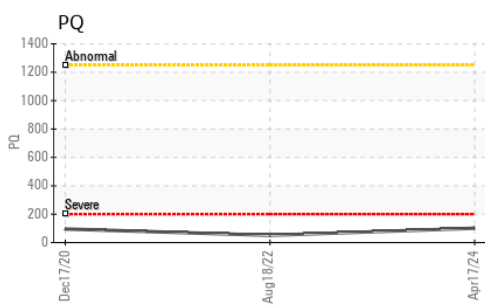
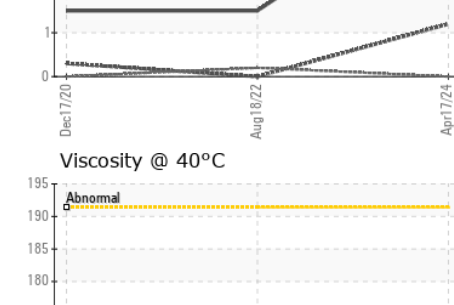
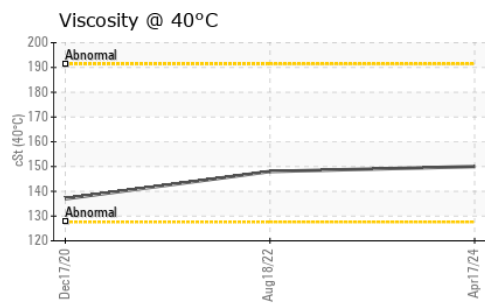
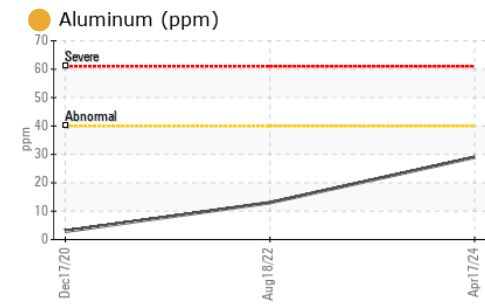
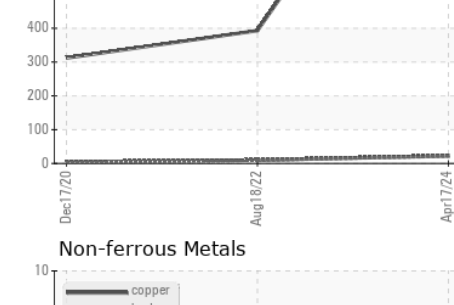
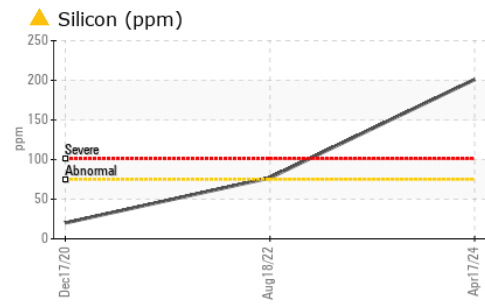
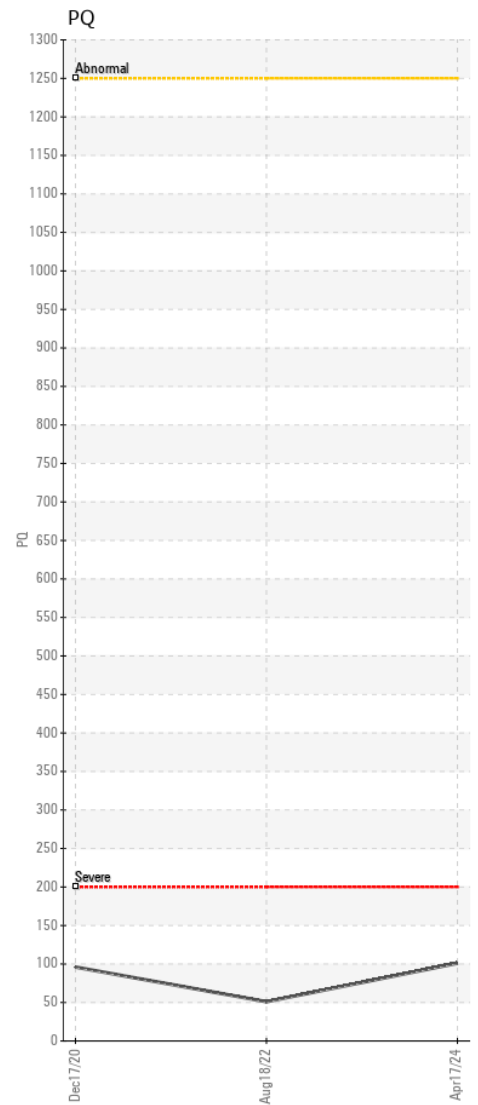
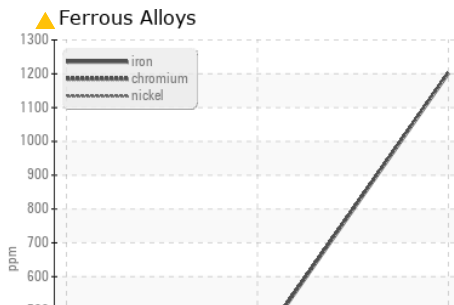
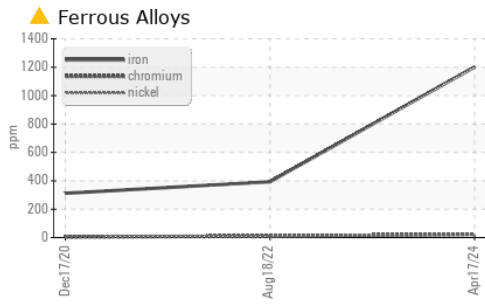
### CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

### 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>JR0214265</b>	JR0133802	JR0069861
Sample Date		Client Info		<b>17 Apr 2024</b>	18 Aug 2022	17 Dec 2020
Machine Age	hrs	Client Info		<b>693</b>	504	318
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL
PQ		ASTM D8184	>1250	<b>101</b>	51	96
Iron	ppm	ASTM D5185m	>750	<b>▲ 1202</b>	393	312
Chromium	ppm	ASTM D5185m	>9	<b>▲ 23</b>	10	4
Nickel	ppm	ASTM D5185m	>10	<b>▲ 20</b>	8	3
Titanium	ppm	ASTM D5185m		<b>4</b>	1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	4
Aluminum	ppm	ASTM D5185m	>40	<b>● 29</b>	● 13	3
Lead	ppm	ASTM D5185m	>15	<b>1</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>4</b>	2	2
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>2</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	<b>▲ 201</b>	▲ 77	20
Potassium	ppm	ASTM D5185m	>20	<b>44</b>	23	27
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	<b>14</b>	11	16
Boron	ppm	ASTM D5185m		<b>212</b>	201	80
Barium	ppm	ASTM D5185m		<b>54</b>	50	36
Molybdenum	ppm	ASTM D5185m		<b>5</b>	2	<1
Manganese	ppm	ASTM D5185m		<b>17</b>	7	5
Magnesium	ppm	ASTM D5185m		<b>20</b>	18	17
Calcium	ppm	ASTM D5185m		<b>174</b>	102	30
Phosphorus	ppm	ASTM D5185m		<b>1560</b>	1495	977
Zinc	ppm	ASTM D5185m		<b>55</b>	42	39
Sulfur	ppm	ASTM D5185m		<b>28679</b>	25056	23797
Visc @ 40°C	cSt	ASTM D445		<b>150</b>	148	137



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0214265 **Received** : 18 Apr 2024  
**Lab Number** : 06153436 **Tested** : 19 Apr 2024  
**Unique Number** : 10983514 **Diagnosed** : 22 Apr 2024 - Angela Borella  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - NEW BERN**  
 3816 MARTIN LUTHER KING BLVD  
 NEW BERN, NC  
 US 28562  
 Contact: NEW BERN SHOP  
 nick.etherdridge@jamesriverequipment.com; canastasio@wearcheckusa.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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F: