



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

Machine Id  
**JOHN DEERE 325G 1T0325GKCMJ407208**  
 Component  
**Right Final Drive**  
 Fluid  
**GEAR OIL SAE 80W140 (--- GAL)**

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

### WEAR

Gear wear is indicated.

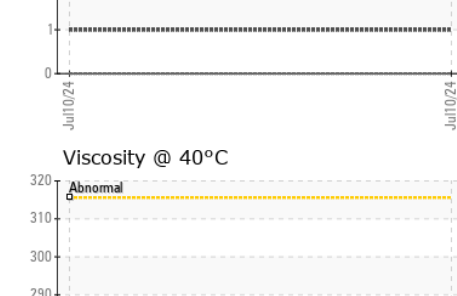
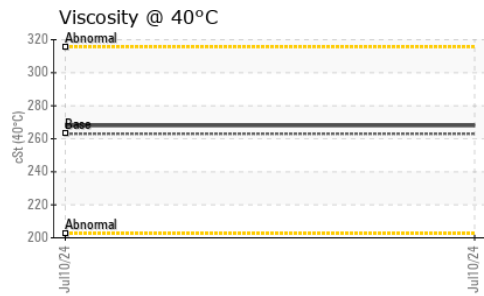
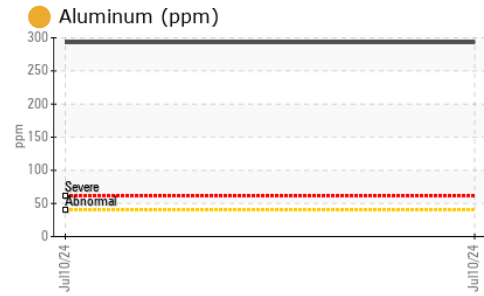
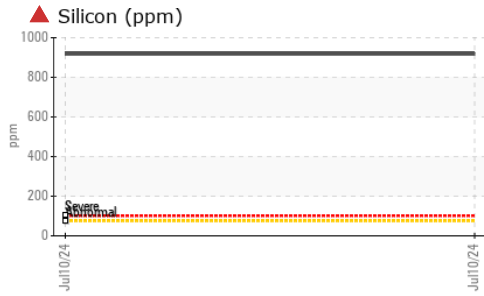
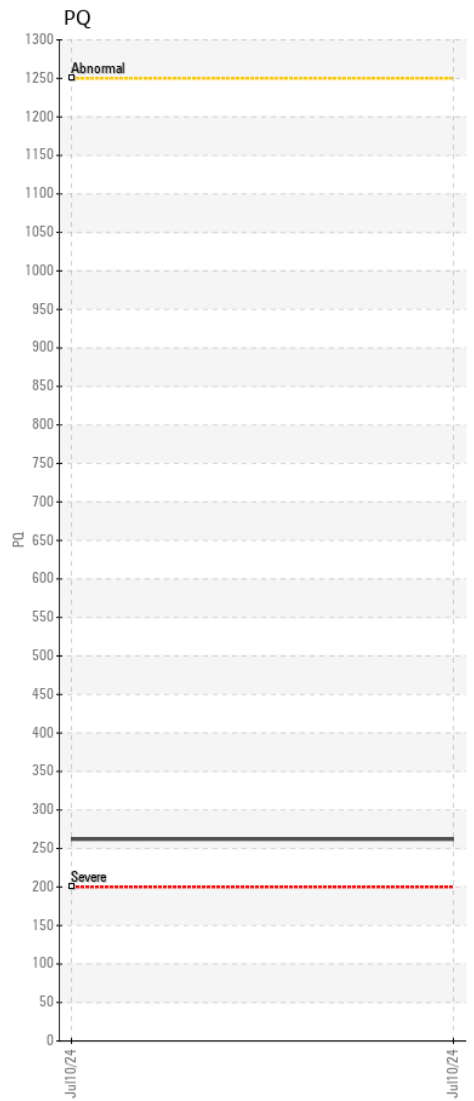
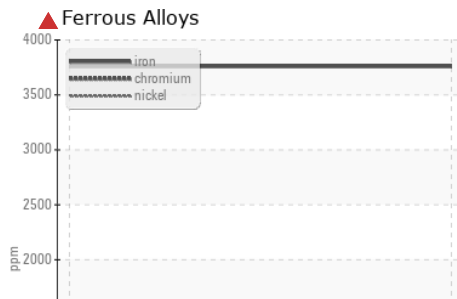
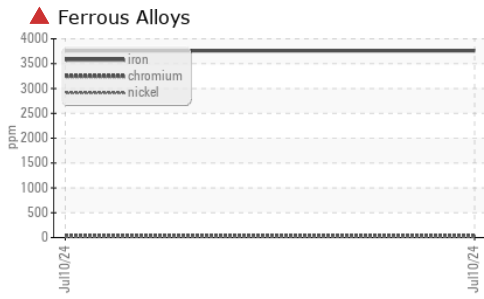
### CONTAMINATION

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

### FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0223611	---	---
Sample Date		Client Info		10 Jul 2024	---	---
Machine Age	hrs	Client Info		2112	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				<b>SEVERE</b>	---	---
PQ		ASTM D8184	>1250	262	---	---
Iron	ppm	ASTM D5185m	>750	▲ 3759	---	---
Chromium	ppm	ASTM D5185m	>9	▲ 45	---	---
Nickel	ppm	ASTM D5185m	>10	11	---	---
Titanium	ppm	ASTM D5185m		12	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	● 293	---	---
Lead	ppm	ASTM D5185m	>15	1	---	---
Copper	ppm	ASTM D5185m	>40	4	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 918	---	---
Potassium	ppm	ASTM D5185m	>20	101	---	---
Water		WC Method	>0.075	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.075	NEG	---	---
Sodium	ppm	ASTM D5185m	>51	32	---	---
Boron	ppm	ASTM D5185m	400	37	---	---
Barium	ppm	ASTM D5185m	200	11	---	---
Molybdenum	ppm	ASTM D5185m	12	6	---	---
Manganese	ppm	ASTM D5185m		33	---	---
Magnesium	ppm	ASTM D5185m	12	31	---	---
Calcium	ppm	ASTM D5185m	150	26	---	---
Phosphorus	ppm	ASTM D5185m	1650	363	---	---
Zinc	ppm	ASTM D5185m	125	30	---	---
Sulfur	ppm	ASTM D5185m	22500	18922	---	---
Visc @ 40°C	cSt	ASTM D445	263	268	---	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0223611 **Received** : 11 Jul 2024  
**Lab Number** : 06233470 **Tested** : 12 Jul 2024  
**Unique Number** : 11116963 **Diagnosed** : 13 Jul 2024 - Don Baldridge  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GREENSBORO**  
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Certificate L2367  
 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)