



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

Area

**[47518]**

Machine Id

**JOHN DEERE 325G 1T0325GKEPJ447890**

Component

**Right Final Drive**

Fluid

**GEAR OIL LS 80W90 (--- GAL)****RECOMMENDATION**

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0218197</b>	---	---
Sample Date		Client Info		<b>05 Jul 2024</b>	---	---
Machine Age	hrs	Client Info		<b>491</b>	---	---
Oil Age	hrs	Client Info		<b>491</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>	---	---

**WEAR**

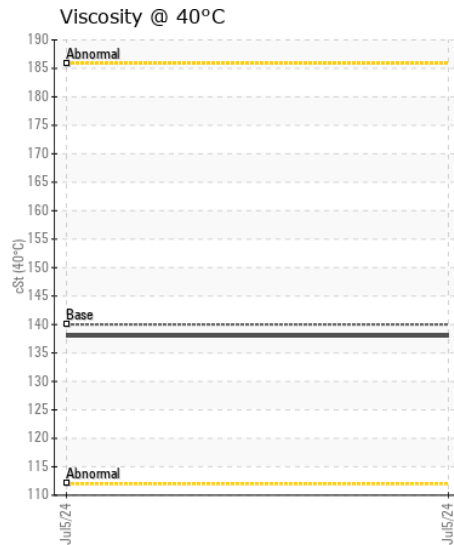
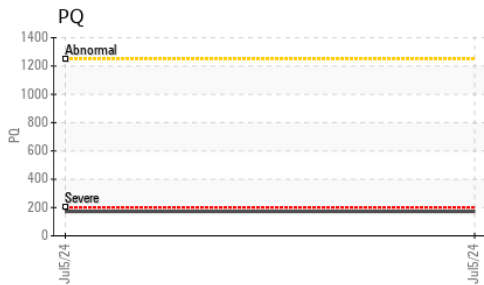
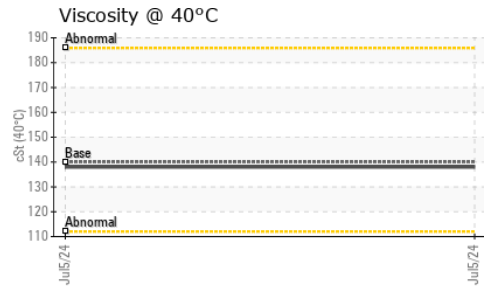
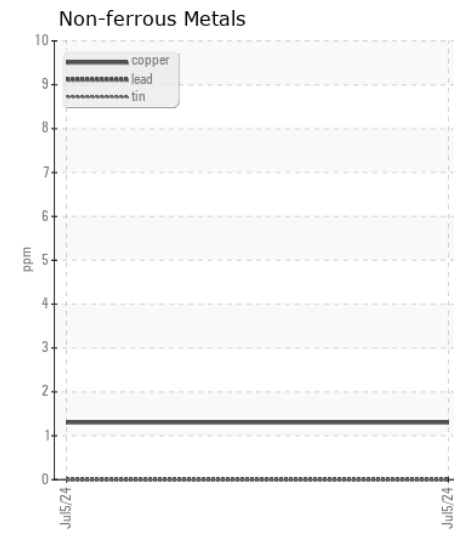
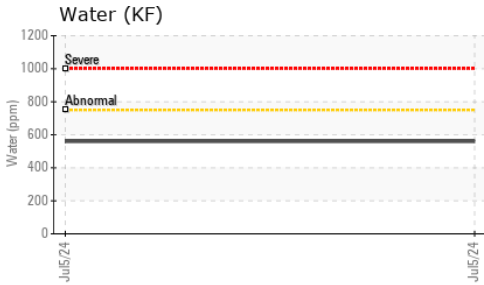
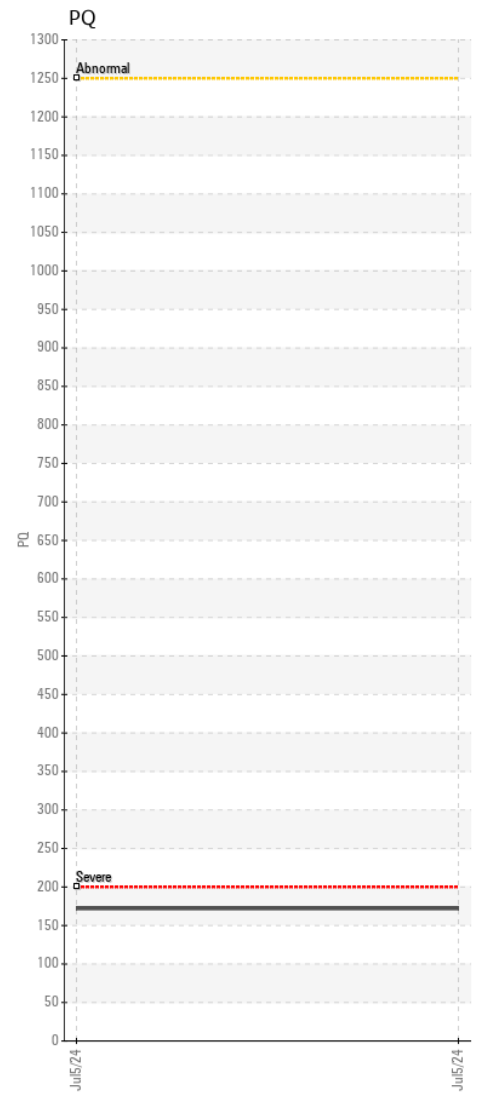
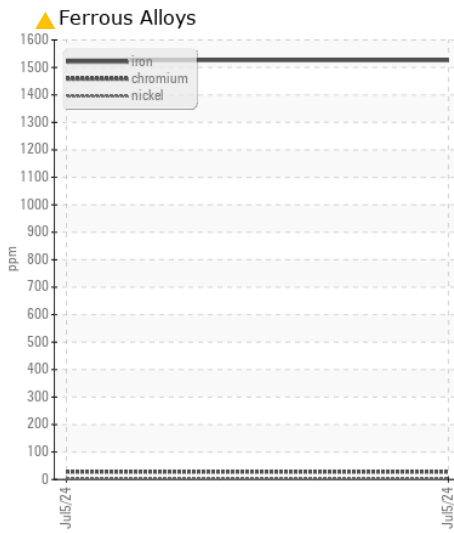
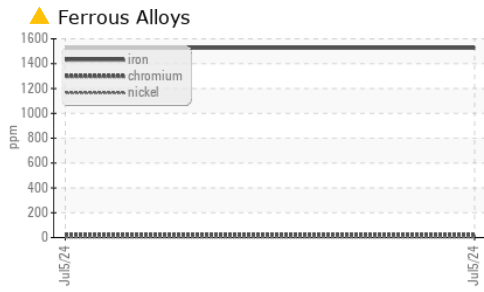
PQ		ASTM D8184	>1250	<b>172</b>	---	---
Iron	ppm	ASTM D5185m	>750	<b>▲ 1526</b>	---	---
Chromium	ppm	ASTM D5185m	>9	<b>▲ 28</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	---	---
Titanium	ppm	ASTM D5185m		<b>1</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>40	<b>8</b>	---	---
Lead	ppm	ASTM D5185m	>15	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>40	<b>1</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

Silicon	ppm	ASTM D5185m	>75	<b>29</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>45</b>	---	---
Water	%	ASTM D6304	>0.075	<b>0.056</b>	---	---
ppm Water	ppm	ASTM D6304	>750	<b>560</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	>0.075	<b>0.2%</b>	---	---

**FLUID CONDITION**

Sodium	ppm	ASTM D5185m	>51	<b>14</b>	---	---
Boron	ppm	ASTM D5185m	150	<b>&lt;1</b>	---	---
Barium	ppm	ASTM D5185m		<b>80</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	---	---
Manganese	ppm	ASTM D5185m		<b>15</b>	---	---
Magnesium	ppm	ASTM D5185m	10	<b>5</b>	---	---
Calcium	ppm	ASTM D5185m	70	<b>22</b>	---	---
Phosphorus	ppm	ASTM D5185m	2000	<b>226</b>	---	---
Zinc	ppm	ASTM D5185m	50	<b>10</b>	---	---
Sulfur	ppm	ASTM D5185m	20000	<b>17318</b>	---	---
Visc @ 40°C	cSt	ASTM D445	140	<b>138</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0218197 **Received** : 09 Jul 2024  
**Lab Number** : 06231773 **Tested** : 10 Jul 2024  
**Unique Number** : 11115266 **Diagnosed** : 11 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: KF, PQ )

**JRE - MANASSAS PARK**  
 9107 OWENS DRIVE  
 MANASSAS PARK, VA  
 US 20111

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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)