



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



Area  
**[05W46281]**  
 Machine Id  
**JOHN DEERE 135G 1FF135GXKEE400742**  
 Component  
**Swing Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (3 QTS)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0214656</b>	JR0174852	JR0162758
Sample Date		Client Info		<b>22 Apr 2024</b>	14 Jun 2023	16 Feb 2023
Machine Age	hrs	Client Info		<b>6070</b>	6070	5562
Oil Age	hrs	Client Info		<b>5562</b>	508	4961
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	SEVERE

### WEAR

Gear wear is indicated. All other component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>45</b>	34	101
Iron	ppm	ASTM D5185m	>151	<b>▲ 187</b>	167	<b>▲ 378</b>
Chromium	ppm	ASTM D5185m	>11	<b>3</b>	2	5
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>2</b>	0	0
Lead	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

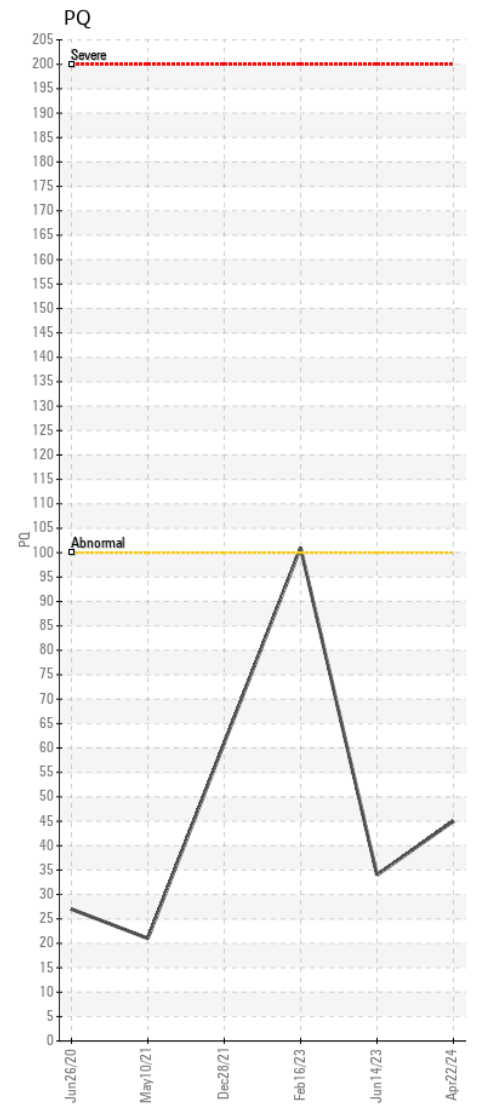
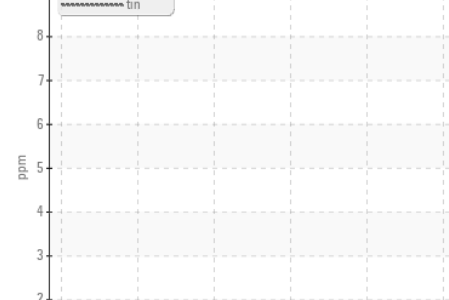
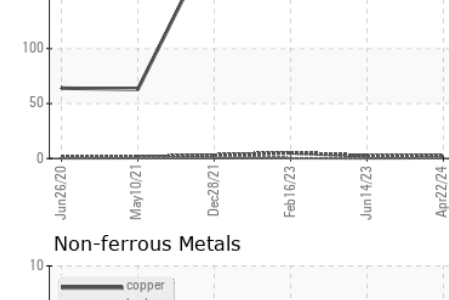
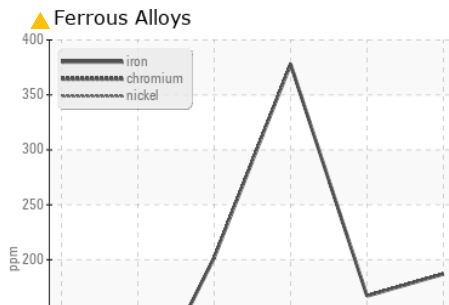
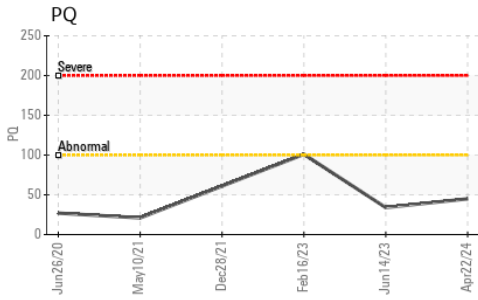
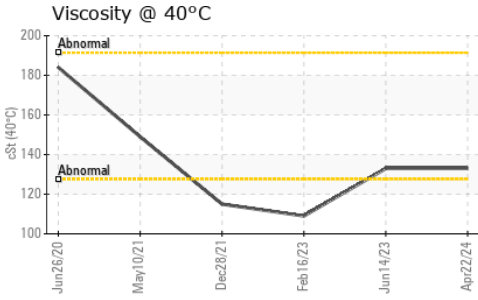
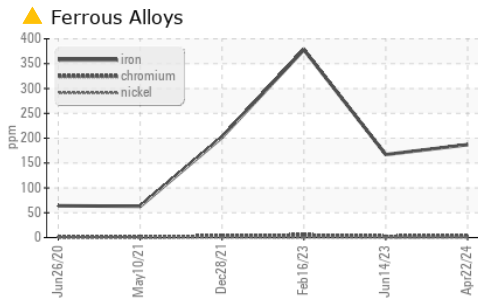
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>31	<b>7</b>	5	11
Potassium	ppm	ASTM D5185m	>20	<b>8</b>	2	9
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>51	<b>0</b>	4	<1
Boron	ppm	ASTM D5185m		<b>6</b>	0	4
Barium	ppm	ASTM D5185m		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>5</b>	0	1
Manganese	ppm	ASTM D5185m		<b>2</b>	2	4
Magnesium	ppm	ASTM D5185m		<b>3</b>	0	2
Calcium	ppm	ASTM D5185m		<b>60</b>	1	21
Phosphorus	ppm	ASTM D5185m		<b>368</b>	368	398
Zinc	ppm	ASTM D5185m		<b>63</b>	28	137
Sulfur	ppm	ASTM D5185m		<b>19853</b>	22925	13560
Visc @ 40°C	cSt	ASTM D445		<b>133</b>	133	109



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0214656 **Received** : 23 Apr 2024  
**Lab Number** : 06158548 **Tested** : 25 Apr 2024  
**Unique Number** : 10993971 **Diagnosed** : 25 Apr 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)

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

Contact: DON VEST  
 dvest@jamesriverequipment.com  
 T: (703)631-8500  
 F: (703)631-4715