



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



Area  
**[05W46281]**  
 Machine Id  
**JOHN DEERE 135G 1FF135GXKEE400742**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (6 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0214657</b>	JR0174853	JR0162759
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>500</b>	4543	4961
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	SEVERE	SEVERE

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>23</b>	154	116
Iron	ppm	ASTM D5185m	>750	<b>26</b>	352	251
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	6	5
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	2
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	2	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	8	3
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	2
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	1	1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	2
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

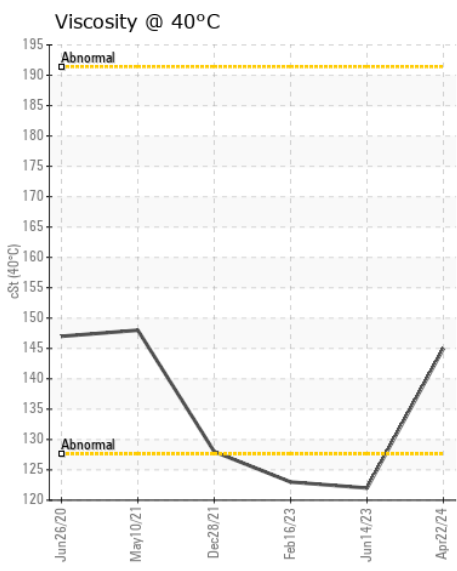
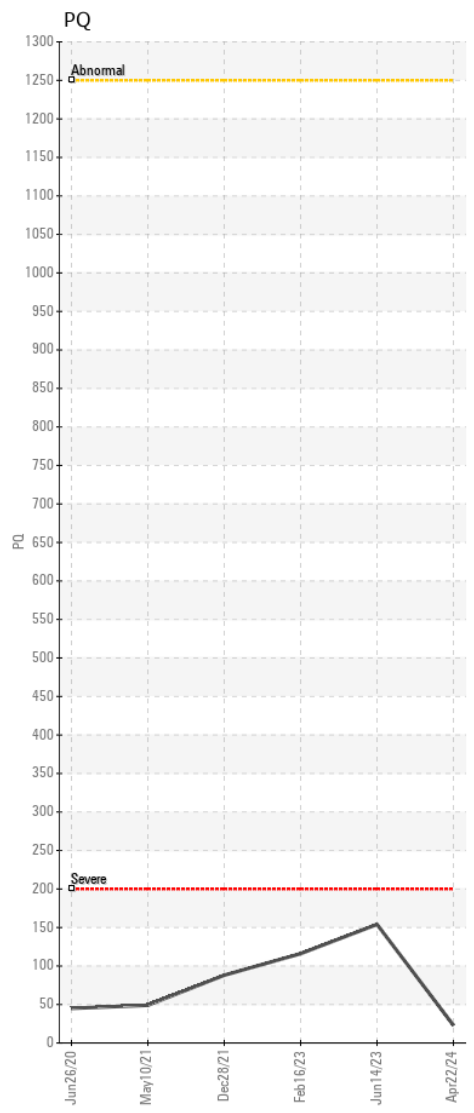
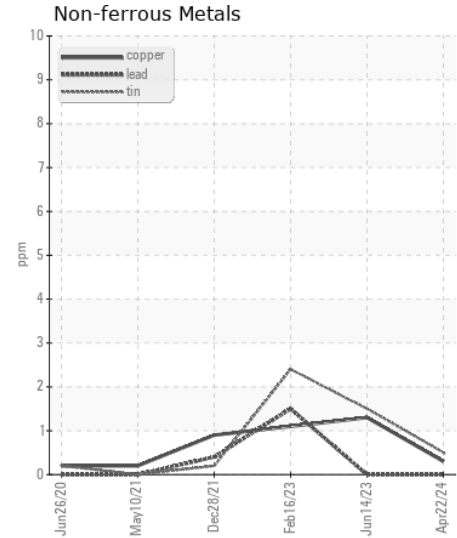
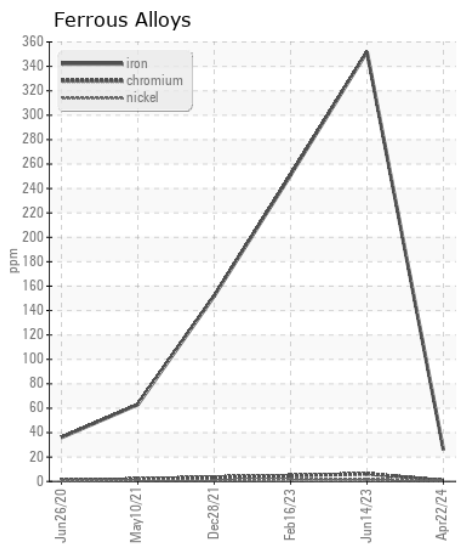
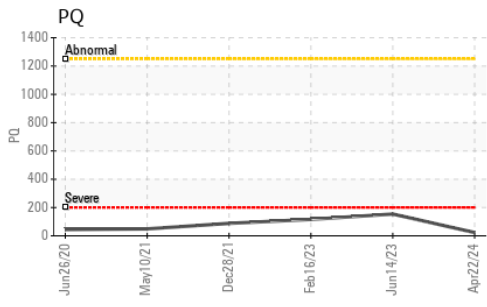
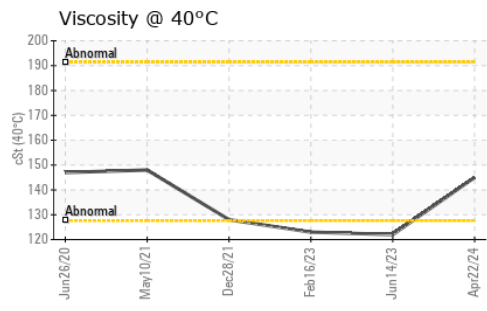
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>4</b>	44	26
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	6	7
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	MODER	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	● MILKY	● MILKY
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	▲ 0.2%	▲ 0.2%

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>0</b>	0	0
Boron	ppm	ASTM D5185m		<b>126</b>	41	41
Barium	ppm	ASTM D5185m		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>3</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	5	4
Magnesium	ppm	ASTM D5185m		<b>2</b>	2	3
Calcium	ppm	ASTM D5185m		<b>18</b>	25	39
Phosphorus	ppm	ASTM D5185m		<b>887</b>	494	455
Zinc	ppm	ASTM D5185m		<b>10</b>	217	221
Sulfur	ppm	ASTM D5185m		<b>19101</b>	19521	17887
Visc @ 40°C	cSt	ASTM D445		<b>145</b>	122	123



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0214657 **Received** : 23 Apr 2024  
**Lab Number** : 06158549 **Tested** : 25 Apr 2024  
**Unique Number** : 10993972 **Diagnosed** : 25 Apr 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**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

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)