



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

Area  
**[16W16276]**  
 Machine Id  
**JOHN DEERE 135G 1FF135GXTMF503175**  
 Component  
**Right Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (1 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: 16W16276 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0207213</b>	JR0185664	JR0161147
Sample Date		Client Info		<b>17 May 2024</b>	22 Nov 2023	19 Apr 2023
Machine Age	hrs	Client Info		<b>1454</b>	964	560
Oil Age	hrs	Client Info		<b>1454</b>	964	560
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>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>90</b>	65	120
Iron	ppm	ASTM D5185m	>750	<b>165</b>	115	108
Chromium	ppm	ASTM D5185m	>9	<b>4</b>	3	4
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	1	2
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

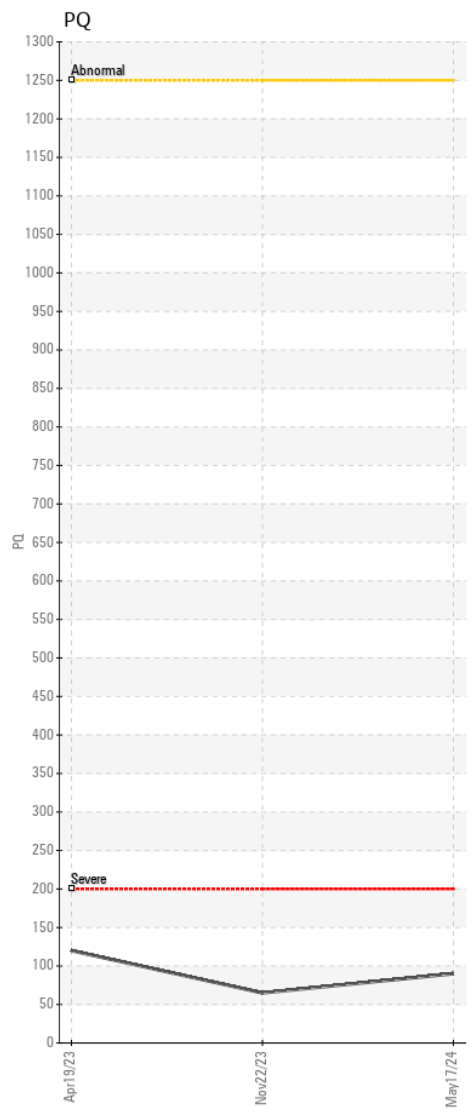
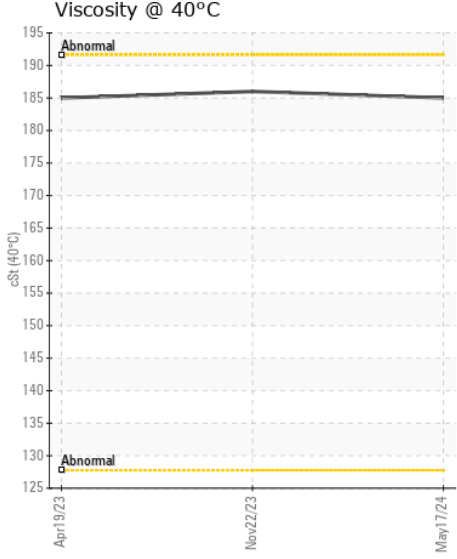
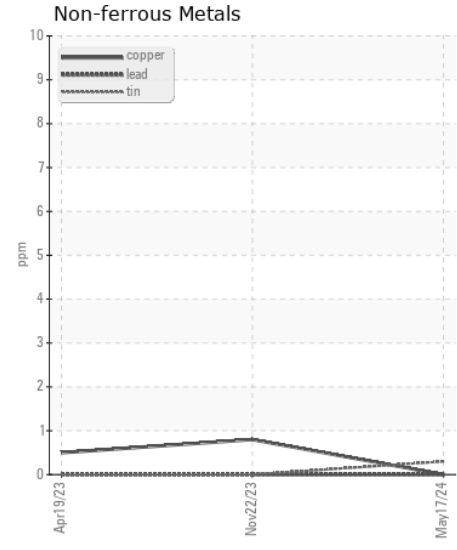
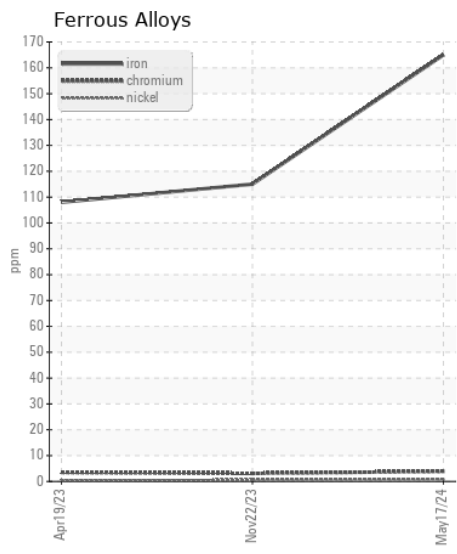
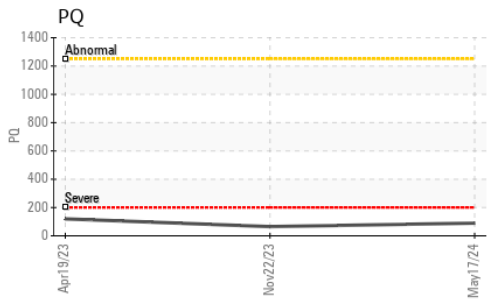
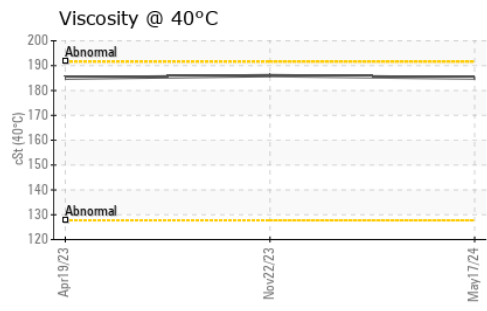
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>41</b>	27	27
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	5	3
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	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	>0.075	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>0</b>	2	<1
Boron	ppm	ASTM D5185m		<b>52</b>	51	59
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	6	5
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>4</b>	3	3
Magnesium	ppm	ASTM D5185m		<b>0</b>	0	2
Calcium	ppm	ASTM D5185m		<b>7</b>	4	11
Phosphorus	ppm	ASTM D5185m		<b>506</b>	485	488
Zinc	ppm	ASTM D5185m		<b>49</b>	45	42
Sulfur	ppm	ASTM D5185m		<b>17856</b>	14643	17297
Visc @ 40°C	cSt	ASTM D445		<b>185</b>	186	185



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0207213 **Received** : 22 May 2024  
**Lab Number** : 06187950 **Tested** : 24 May 2024  
**Unique Number** : 11044702 **Diagnosed** : 24 May 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CASTLE HAYNE**  
 113 CROWATAN ROAD  
 CASTLE HAYNE, NC  
 US 28429-5819  
 Contact: WILMINGTON SHOP

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)