



**James River  
Equipment**

**OIL ANALYSIS REPORT**

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



Area  
**[16W15648]**  
Machine Id  
**JOHN DEERE 300G 1FF300GXPHF730608**  
Component  
**Left Final Drive**  
Fluid  
**JOHN DEERE GL-5 80W90 (2 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. ( Customer Sample Comment: 16W15648 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0206993</b>	JR0185784	JR0173522
Sample Date		Client Info		<b>23 Feb 2024</b>	03 Nov 2023	12 Aug 2023
Machine Age	hrs	Client Info		<b>6487</b>	6034	5567
Oil Age	hrs	Client Info		<b>453</b>	1987	1520
Filter Age	hrs	Client Info		<b>0</b>	0	1520
Oil Changed		Client Info		<b>Not Changd</b>	Changed	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>102</b>	127	133
Iron	ppm	ASTM D5185m	>750	<b>106</b>	247	203
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	1	1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>0</b>	<1	1
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

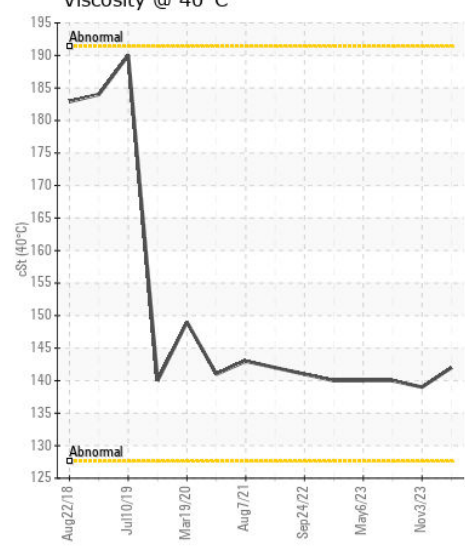
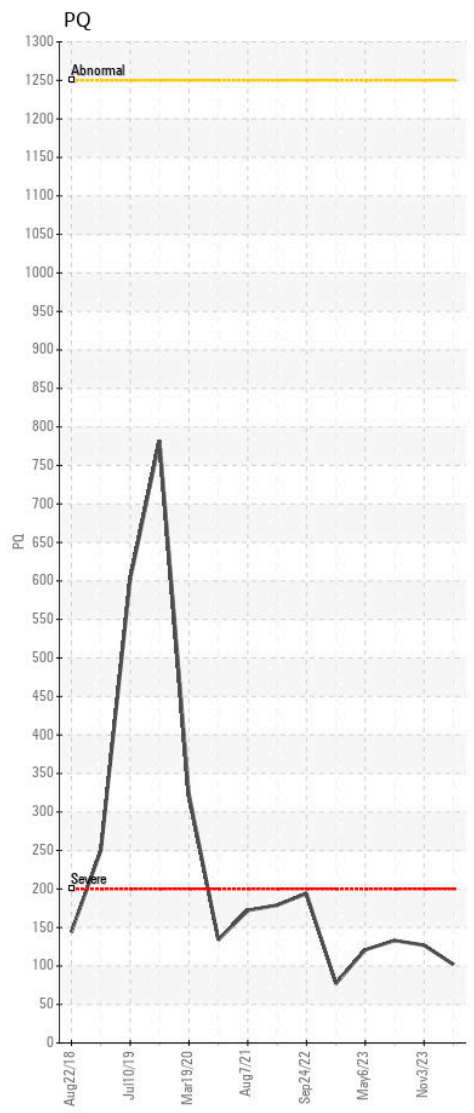
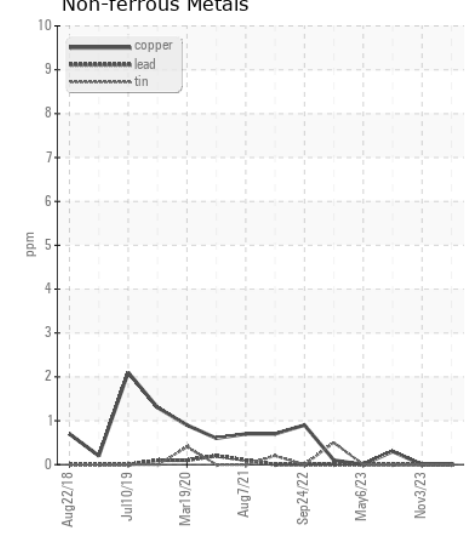
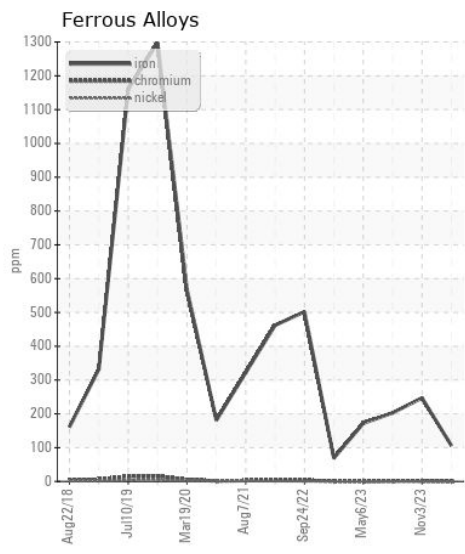
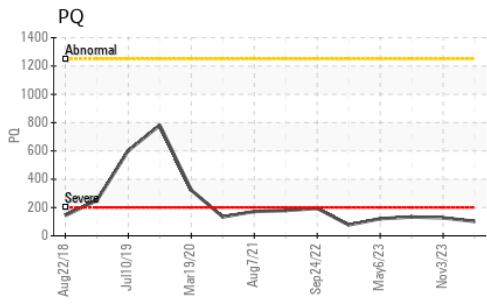
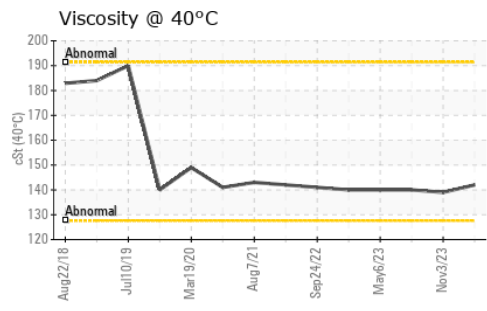
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>11</b>	27	26
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	2
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>	0	0
Boron	ppm	ASTM D5185m		<b>7</b>	20	20
Barium	ppm	ASTM D5185m		<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	2
Magnesium	ppm	ASTM D5185m		<b>1</b>	1	2
Calcium	ppm	ASTM D5185m		<b>17</b>	9	30
Phosphorus	ppm	ASTM D5185m		<b>326</b>	193	361
Zinc	ppm	ASTM D5185m		<b>3</b>	1	10
Sulfur	ppm	ASTM D5185m		<b>18828</b>	17197	20078
Visc @ 40°C	cSt	ASTM D445		<b>142</b>	139	140



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0206993 **Received** : 28 Feb 2024  
**Lab Number** : 06103229 **Tested** : 01 Mar 2024  
**Unique Number** : 10901459 **Diagnosed** : 01 Mar 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CASTLE HAYNE**  
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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)