



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

Machine Id  
**JOHN DEERE 350G 1FF350GXTKF814127**  
 Component  
**Pump Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (2 QTS)**

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0208836</b>	JR0202058	JR0176652
Sample Date		Client Info		<b>19 Apr 2024</b>	26 Jan 2024	21 Jul 2023
Machine Age	hrs	Client Info		<b>4973</b>	4580	4065
Oil Age	hrs	Client Info		<b>4458</b>	0	3451
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	ABNORMAL

### WEAR

Gear wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>46</b>	75	44
Iron	ppm	ASTM D5185m	>151	<b>▲ 191</b>	121	160
Chromium	ppm	ASTM D5185m	>11	<b>2</b>	1	3
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
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>● 6</b>	3	● 12
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>2</b>	0	<1
Tin	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

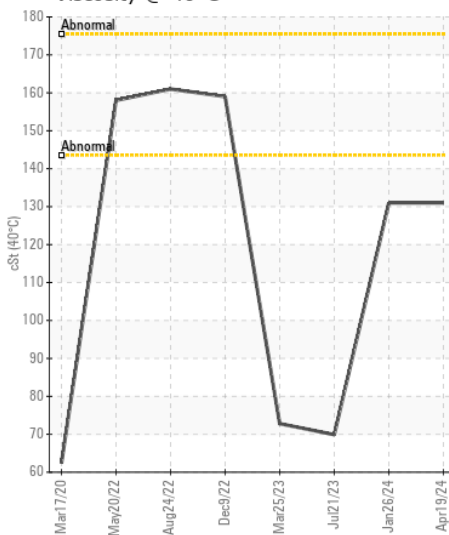
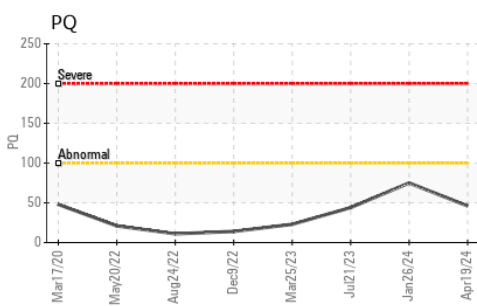
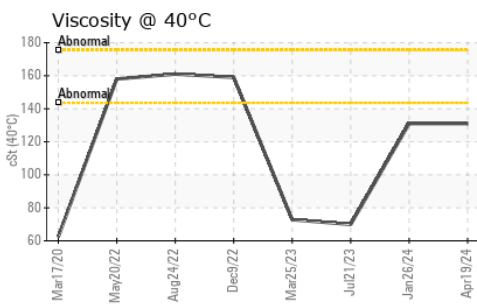
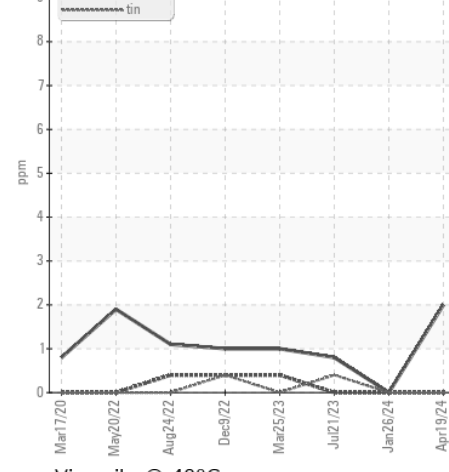
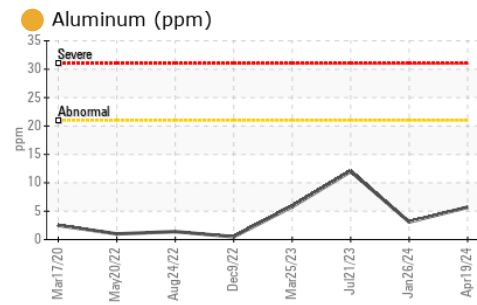
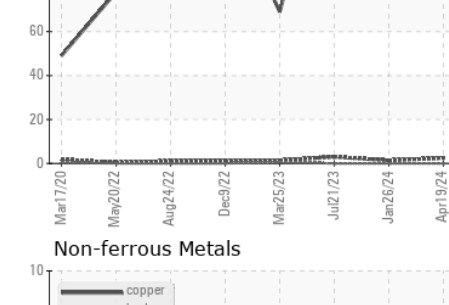
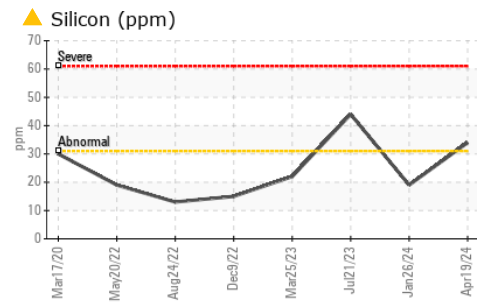
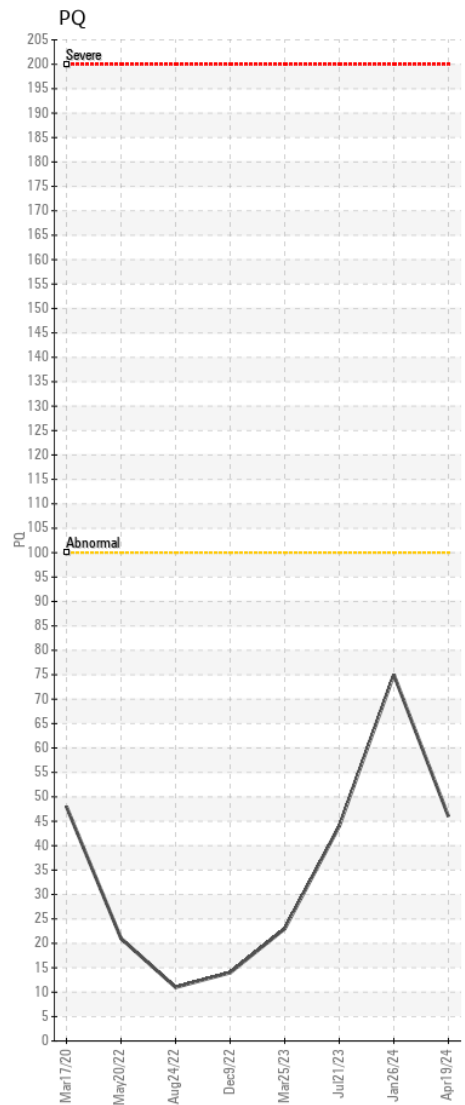
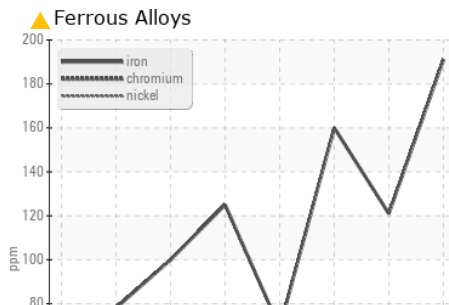
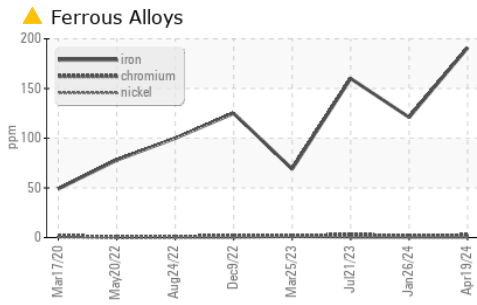
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>31	<b>▲ 34</b>	19	▲ 44
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	2
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.

Sodium	ppm	ASTM D5185m	>51	<b>2</b>	<1	2
Boron	ppm	ASTM D5185m		<b>12</b>	12	316
Barium	ppm	ASTM D5185m		<b>2</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>10</b>	9	235
Manganese	ppm	ASTM D5185m		<b>4</b>	2	3
Magnesium	ppm	ASTM D5185m		<b>28</b>	15	826
Calcium	ppm	ASTM D5185m		<b>99</b>	84	1408
Phosphorus	ppm	ASTM D5185m		<b>511</b>	500	997
Zinc	ppm	ASTM D5185m		<b>114</b>	93	994
Sulfur	ppm	ASTM D5185m		<b>12352</b>	15001	5688
Visc @ 40°C	cSt	ASTM D445		<b>131</b>	131	69.9



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0208836 **Received** : 22 Apr 2024  
**Lab Number** : 06156243 **Tested** : 23 Apr 2024  
**Unique Number** : 10991666 **Diagnosed** : 24 Apr 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - ELIZABETH CITY**  
 129 KNOBBS CREEK DR  
 ELIZABETH CITY, NC  
 US 27909  
 Contact: CHARLES PARKER  
 charles.parker@jamesriverequipment.com  
 T: (252)333-2280  
 F:

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)