



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

Area  
**[16W16028]**  
 Machine Id  
**JOHN DEERE 350G 1ff350gxklf814889**  
 Component  
**Pump Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (1 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: 16W16028 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0196518</b>	JR0160650	JR0131551
Sample Date		Client Info		<b>17 Apr 2024</b>	24 Feb 2023	20 May 2022
Machine Age	hrs	Client Info		<b>4580</b>	4024	2820
Oil Age	hrs	Client Info		<b>556</b>	1204	1057
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>27</b>	10	20
Iron	ppm	ASTM D5185m	>151	<b>89</b>	64	150
Chromium	ppm	ASTM D5185m	>11	<b>2</b>	2	1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>21	<b>2</b>	<1	<1
Lead	ppm	ASTM D5185m	>51	<b>1</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185m	>4	<b>1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

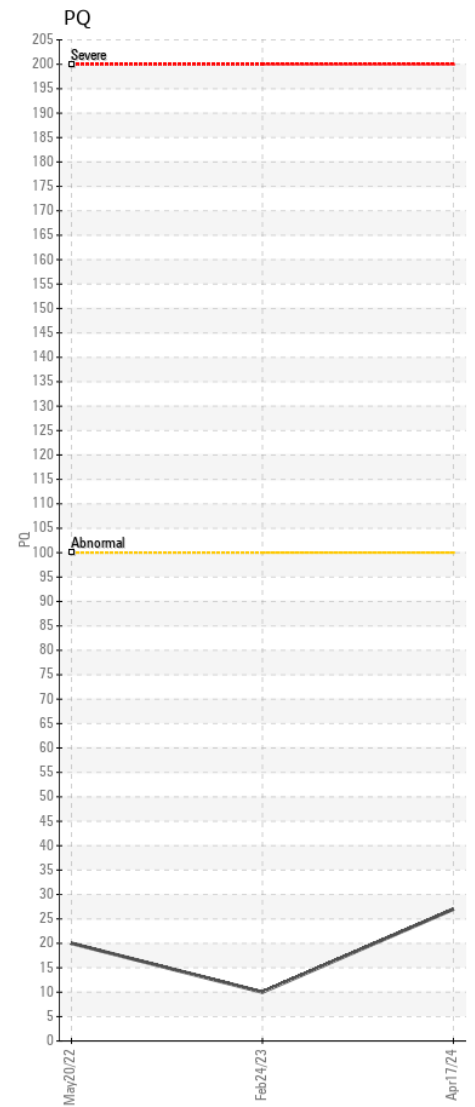
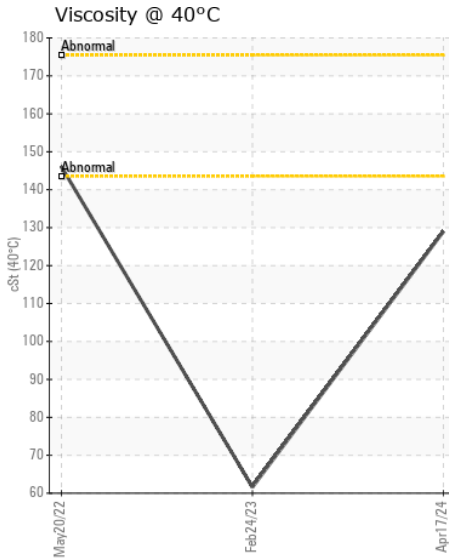
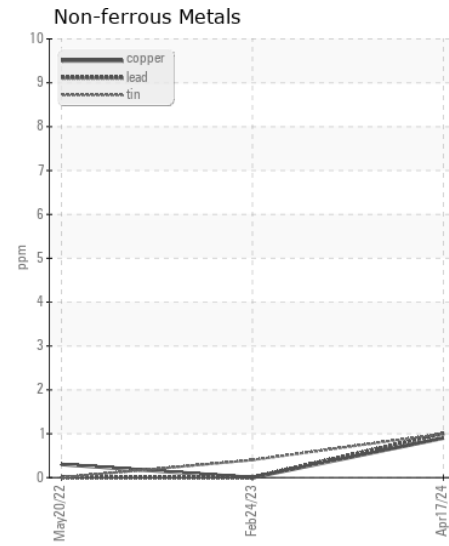
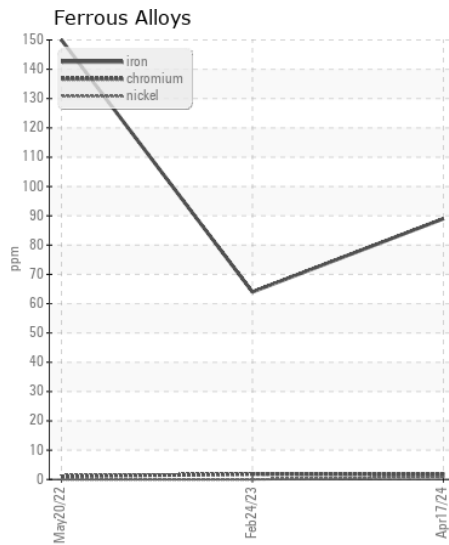
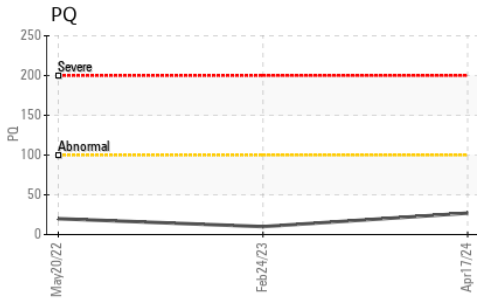
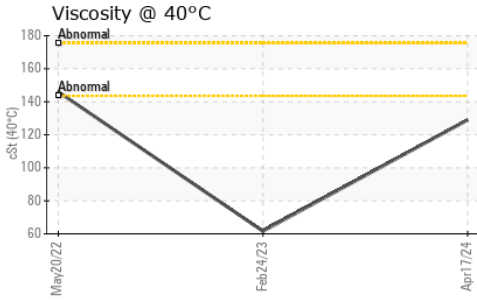
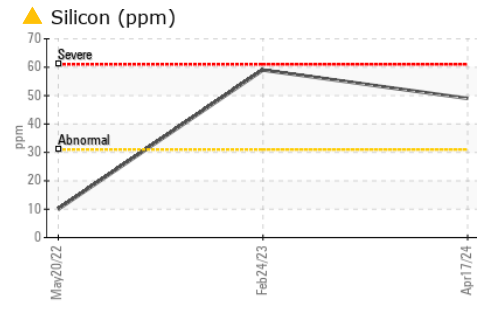
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>31	<b>▲ 49</b>	▲ 59	10
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	1
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>0</b>	2	0
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	56	2
Barium	ppm	ASTM D5185m		<b>3</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	● 99	1
Manganese	ppm	ASTM D5185m		<b>3</b>	4	4
Magnesium	ppm	ASTM D5185m		<b>3</b>	6	3
Calcium	ppm	ASTM D5185m		<b>34</b>	● 4305	34
Phosphorus	ppm	ASTM D5185m		<b>462</b>	● 1165	271
Zinc	ppm	ASTM D5185m		<b>22</b>	● 1399	59
Sulfur	ppm	ASTM D5185m		<b>24655</b>	● 10316	19487
Visc @ 40°C	cSt	ASTM D445		<b>129</b>	● 61.6	146



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0196518 **Received** : 18 Apr 2024  
**Lab Number** : 06153429 **Tested** : 19 Apr 2024  
**Unique Number** : 10983507 **Diagnosed** : 22 Apr 2024 - Angela Borella  
**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 - CASTLE HAYNE**  
 113 CROWATAN ROAD  
 CASTLE HAYNE, NC  
 US 28429-5819

Contact: WILMINGTON SHOP

todd.simmons@jamesriverequipment.com; canastasio@wearcheck.com; canastasio@we

T: (910)675-9211

F: