



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



Machine Id  
**JOHN DEERE 210G 1FF210GXAFF523486**

Component  
**Pump Drive**

Fluid  
**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0191584</b>	JR0065292	JRMC450915
Sample Date		Client Info		<b>23 Jan 2024</b>	11 Dec 2020	13 Jun 2018
Machine Age	hrs	Client Info		<b>5048</b>	3275	1864
Oil Age	hrs	Client Info		<b>1000</b>	0	500
Filter Age	hrs	Client Info		<b>0</b>	0	500
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>16</b>	21	18
Iron	ppm	ASTM D5185m	>151	<b>44</b>	40	24
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>2</b>	6	5
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>0</b>	0	0
Tin	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

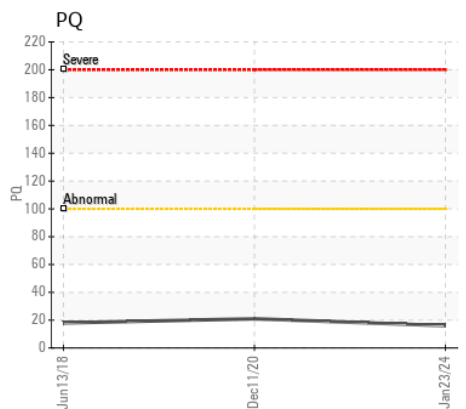
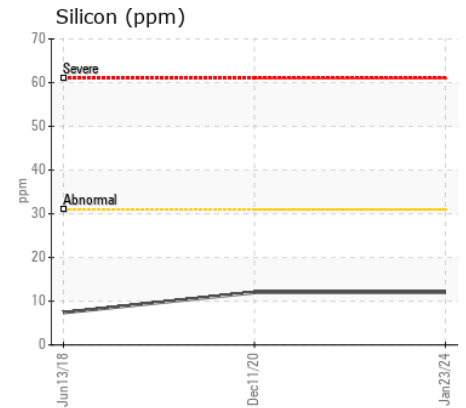
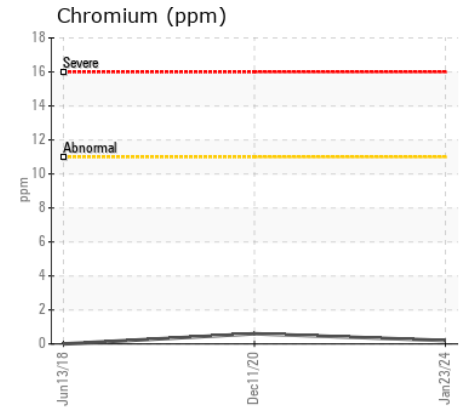
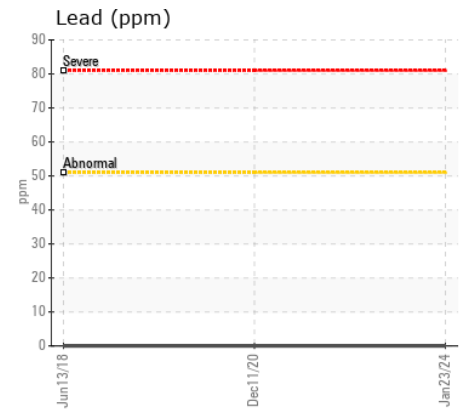
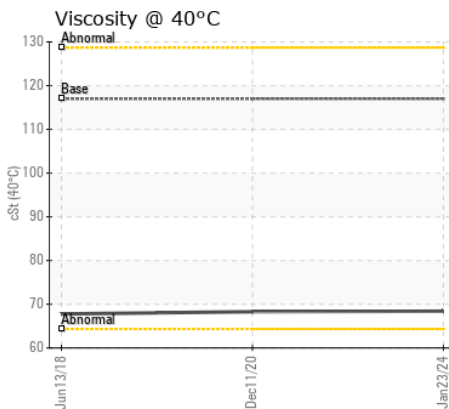
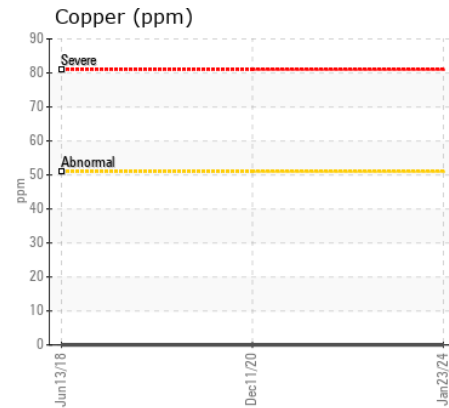
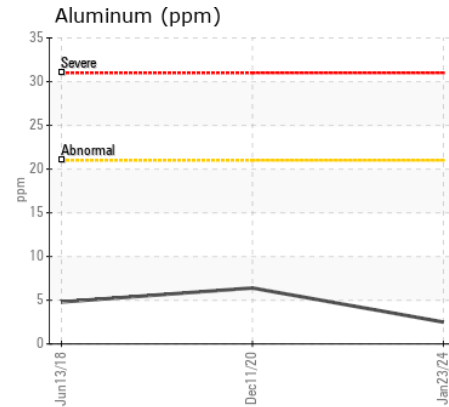
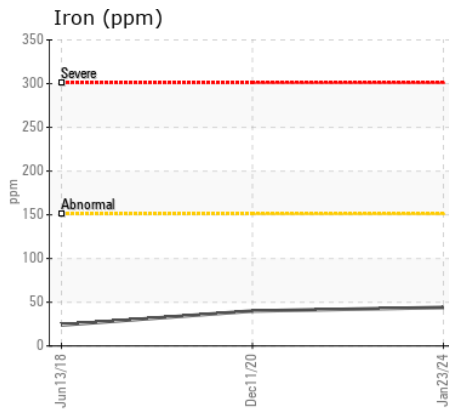
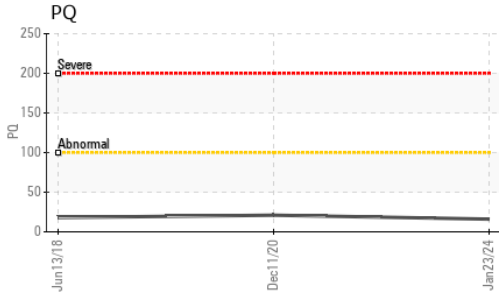
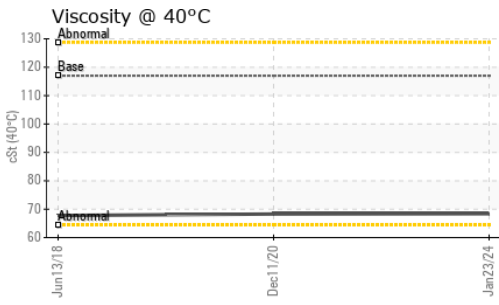
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>12</b>	12	7
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	12	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>LIGHT</b>	▲ MODER	▲ MODER
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>	8	3
Boron	ppm	ASTM D5185m		<b>331</b>	271	249
Barium	ppm	ASTM D5185m		<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>278</b>	250	228
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>864</b>	843	771
Calcium	ppm	ASTM D5185m		<b>1488</b>	1524	1465
Phosphorus	ppm	ASTM D5185m		<b>1021</b>	991	951
Zinc	ppm	ASTM D5185m		<b>1100</b>	1074	1011
Sulfur	ppm	ASTM D5185m		<b>3830</b>	3058	3196
Visc @ 40°C	cSt	ASTM D445	117	<b>68.4</b>	68.3	67.78



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0191584 **Received** : 30 Jan 2024  
**Lab Number** : 06075062 **Diagnosed** : 31 Jan 2024  
**Unique Number** : 10857153 **Diagnostician** : Wes Davis  
**Test Package** : MOBCE ( Additional Tests: PQ )

**HDS EQUIPMENT MECK COUNTY**  
 5590 W LIBERTY HILL RD  
 YORK, SC  
 US 29745  
 Contact: JAKE HARRELL  
 JAKEHARRELLHDS@GMAIL.COM

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)

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F: