



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

Area

**[BENCHMARK]**

Machine Id

**JOHN DEERE 350G 1FF350GXKEE809751**

Component

**Pump Drive**

Fluid

**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0203261</b>	JR0153270	JR0132852
Sample Date		Client Info		<b>29 Jan 2024</b>	17 Mar 2023	27 Jun 2022
Machine Age	hrs	Client Info		<b>10096</b>	9283	8481
Oil Age	hrs	Client Info		<b>0</b>	802	7922
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	None
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>11</b>	17	24
Iron	ppm	ASTM D5185m	>151	<b>35</b>	65	▲ 183
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	1
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	<1
Aluminum	ppm	ASTM D5185m	>21	<b>5</b>	3	3
Lead	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

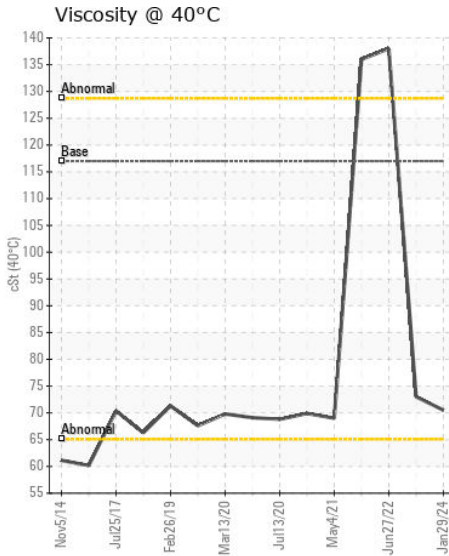
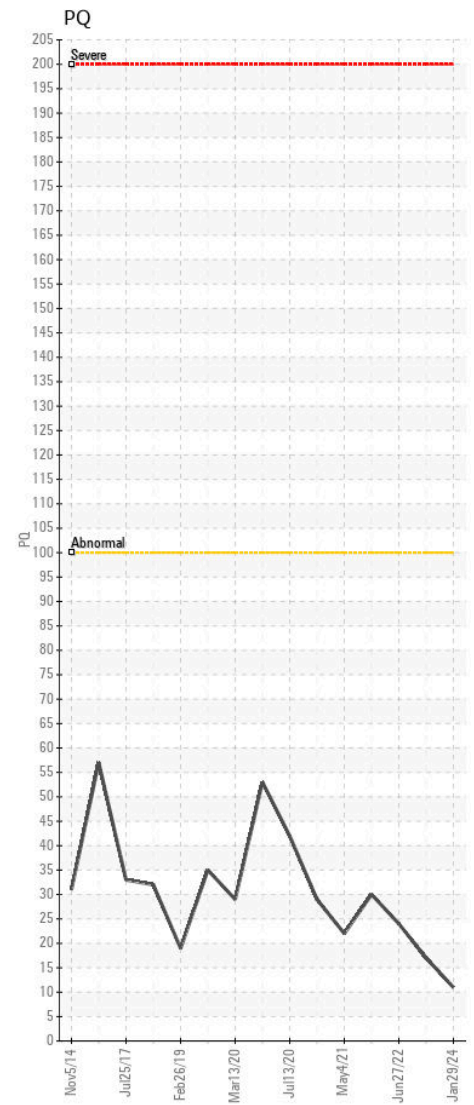
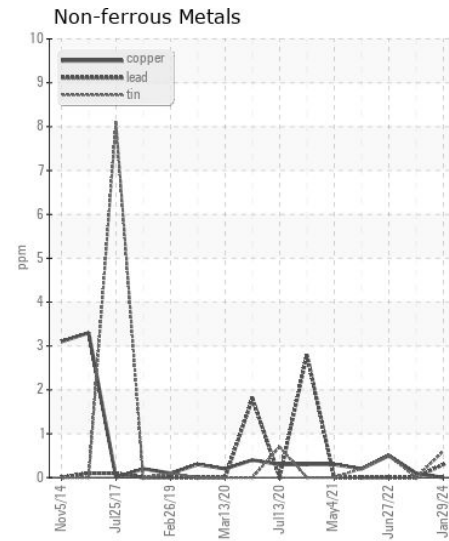
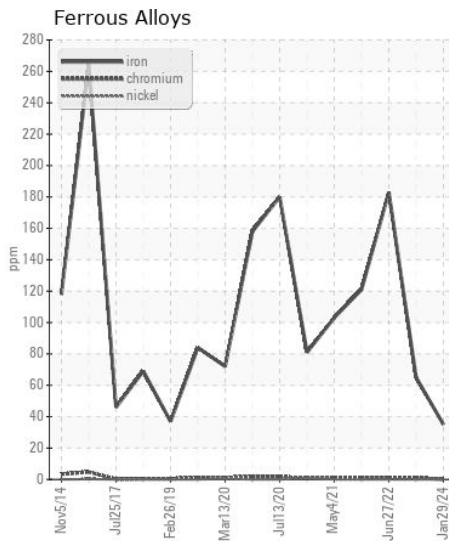
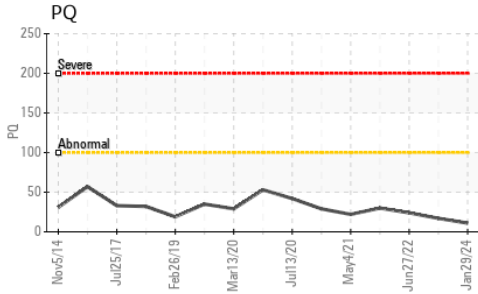
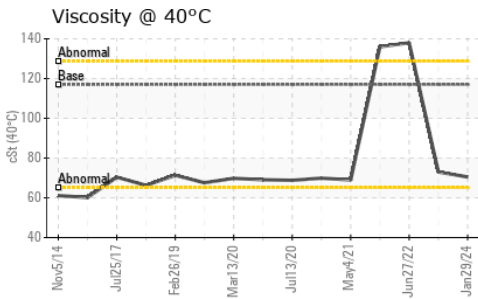
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>19</b>	▲ 35	▲ 68
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	<1	0
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>1</b>	2	1
Boron	ppm	ASTM D5185m		<b>272</b>	324	100
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>242</b>	220	17
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	3
Magnesium	ppm	ASTM D5185m		<b>774</b>	770	54
Calcium	ppm	ASTM D5185m		<b>1363</b>	1383	143
Phosphorus	ppm	ASTM D5185m		<b>951</b>	919	897
Zinc	ppm	ASTM D5185m		<b>1062</b>	987	94
Sulfur	ppm	ASTM D5185m		<b>3322</b>	5285	25056
Visc @ 40°C	cSt	ASTM D445	117	<b>70.5</b>	73.0	138



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0203261 **Received** : 14 Feb 2024  
**Lab Number** : 06089712 **Tested** : 16 Feb 2024  
**Unique Number** : 10877157 **Diagnosed** : 16 Feb 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - MANASSAS PARK**  
 9107 OWENS DRIVE  
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 US 20111

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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)