



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



Machine Id  
**JOHN DEERE 300G 1FF300GXVNF732036**  
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>JR0186955</b>	JR0173388	JR0161127
Sample Date		Client Info		<b>07 Jan 2024</b>	26 Jul 2023	21 Apr 2023
Machine Age	hrs	Client Info		<b>1464</b>	976	528
Oil Age	hrs	Client Info		<b>0</b>	976	528
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
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>19</b>	17	28
Iron	ppm	ASTM D5185m	>151	<b>39</b>	68	58
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	2	2
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	0
Aluminum	ppm	ASTM D5185m	>21	<b>2</b>	1	0
Lead	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	3	<1
Tin	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

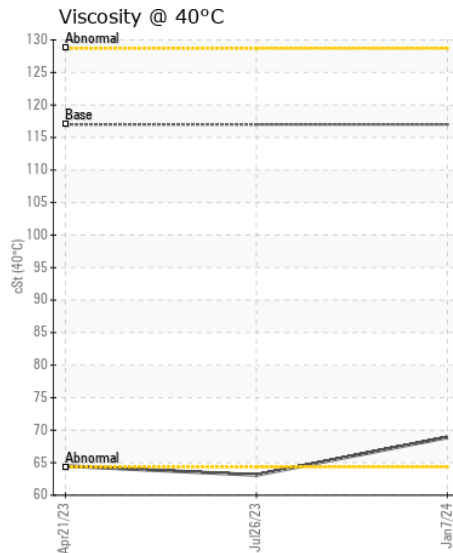
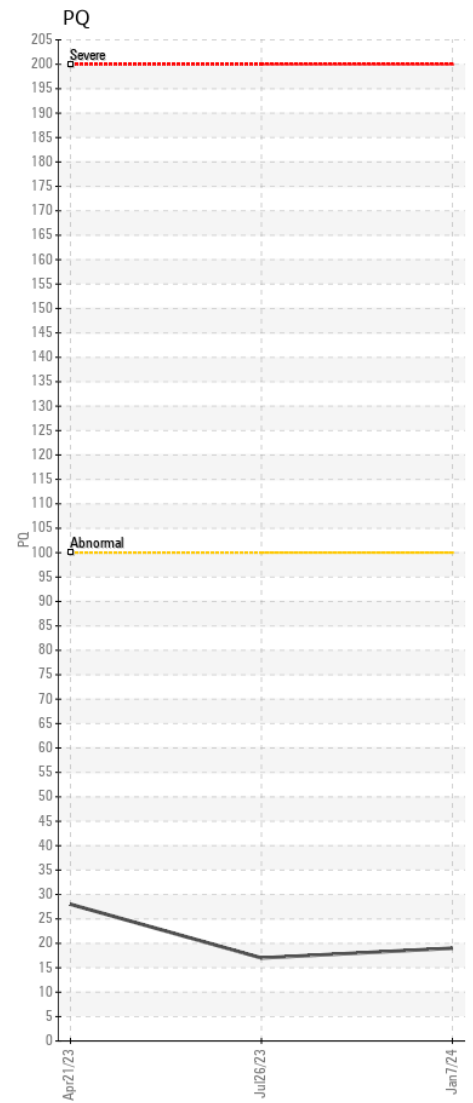
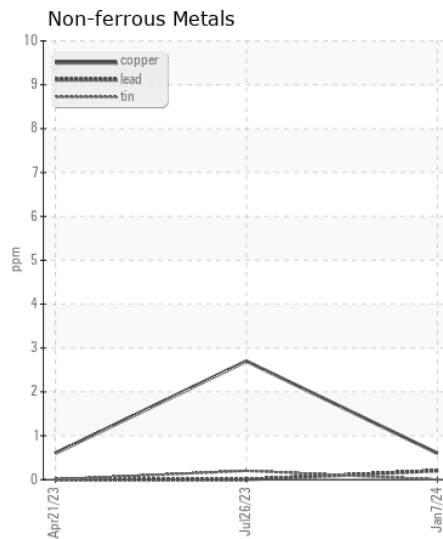
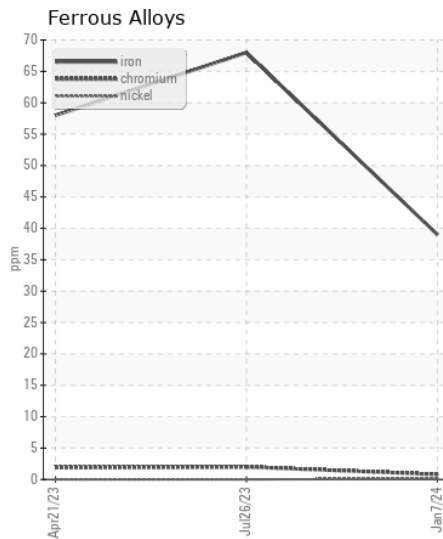
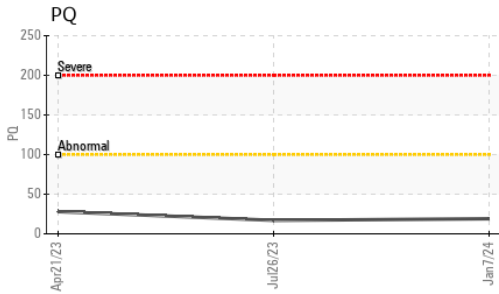
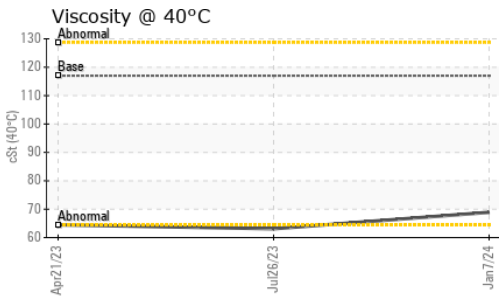
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>16</b>	▲ 42	▲ 44
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	<1	3
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>	5	2
Boron	ppm	ASTM D5185m		<b>301</b>	63	▲ 66
Barium	ppm	ASTM D5185m		<b>9</b>	7	4
Molybdenum	ppm	ASTM D5185m		<b>255</b>	107	115
Manganese	ppm	ASTM D5185m		<b>1</b>	5	5
Magnesium	ppm	ASTM D5185m		<b>780</b>	18	▲ 17
Calcium	ppm	ASTM D5185m		<b>1527</b>	4229	▲ 4292
Phosphorus	ppm	ASTM D5185m		<b>932</b>	1225	▲ 1245
Zinc	ppm	ASTM D5185m		<b>1068</b>	1393	▲ 1451
Sulfur	ppm	ASTM D5185m		<b>4252</b>	9793	▲ 9429
Visc @ 40°C	cSt	ASTM D445	117	<b>68.9</b>	63.1	64.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0186955 **Received** : 08 Jan 2024  
**Lab Number** : 06054308 **Diagnosed** : 09 Jan 2024  
**Unique Number** : 10820257 **Diagnostician** : Wes Davis  
**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)

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