



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

Area

**[W50515]**

Machine Id

**JOHN DEERE 300G 1FF300GXPNF732032**

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>JR0179691</b>	JR0159809	JR0152232
Sample Date		Client Info		<b>14 Mar 2024</b>	13 Mar 2023	30 Dec 2022
Machine Age	hrs	Client Info		<b>1932</b>	1046	467
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</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>15</b>	17	24
Iron	ppm	ASTM D5185m	>151	<b>57</b>	102	62
Chromium	ppm	ASTM D5185m	>11	<b>1</b>	2	2
Nickel	ppm	ASTM D5185m	>10	<b>0</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>4</b>	2	<1
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

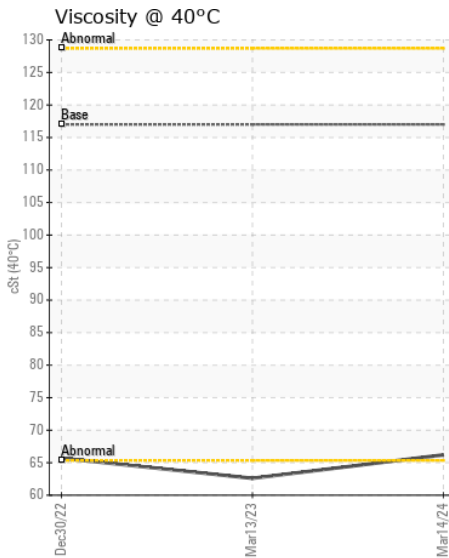
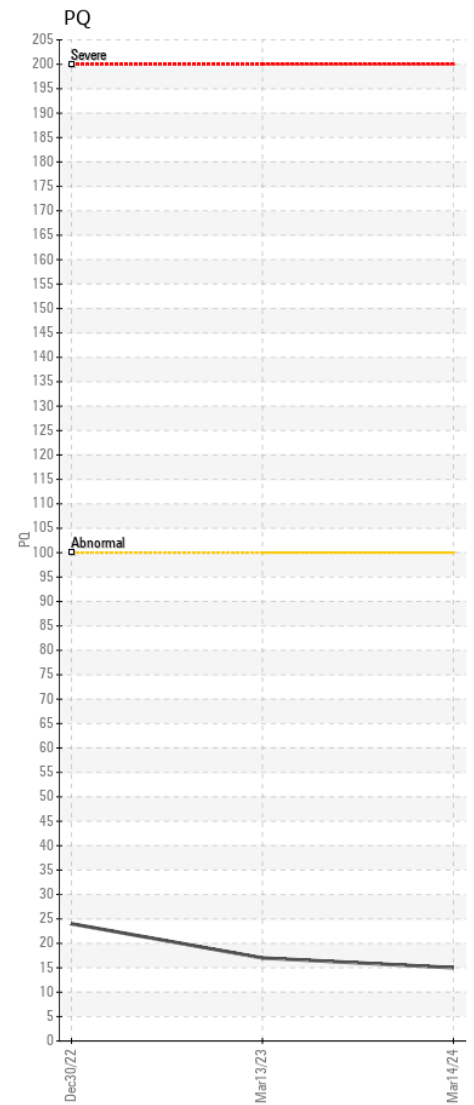
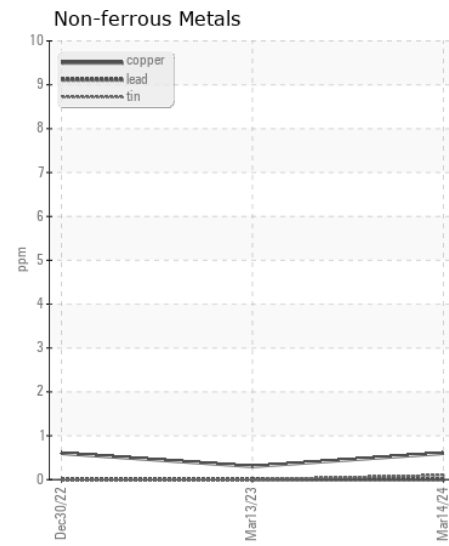
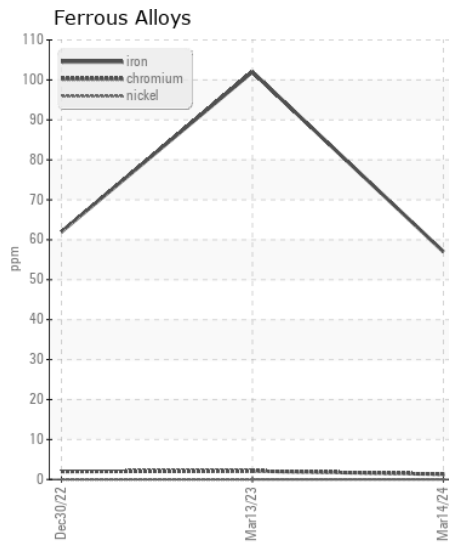
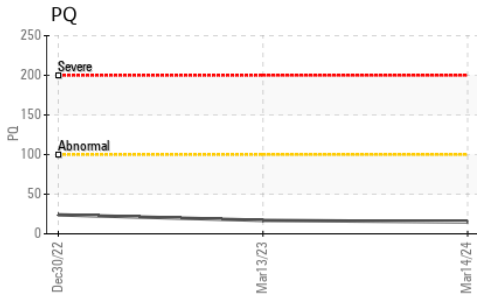
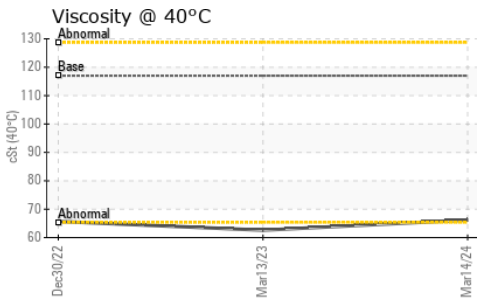
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>31	<b>23</b>	▲ 73	▲ 76
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>51	<b>&lt;1</b>	5	0
Boron	ppm	ASTM D5185m		<b>272</b>	55	63
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	6	<1
Molybdenum	ppm	ASTM D5185m		<b>240</b>	97	123
Manganese	ppm	ASTM D5185m		<b>2</b>	5	5
Magnesium	ppm	ASTM D5185m		<b>741</b>	14	15
Calcium	ppm	ASTM D5185m		<b>1488</b>	3950	4612
Phosphorus	ppm	ASTM D5185m		<b>959</b>	1081	1297
Zinc	ppm	ASTM D5185m		<b>1073</b>	1246	1424
Sulfur	ppm	ASTM D5185m		<b>3979</b>	9439	8641
Visc @ 40°C	cSt	ASTM D445	117	<b>66.2</b>	62.6	65.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0179691 **Received** : 19 Mar 2024  
**Lab Number** : 06122682 **Tested** : 20 Mar 2024  
**Unique Number** : 10936833 **Diagnosed** : 20 Mar 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - ASHLAND**  
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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)