



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

Area

**[46758]**

Machine Id

**JOHN DEERE 245G 1FF245GXLNF802693**

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>JR0214741</b>	JR0132178	JR0199493
Sample Date		Client Info		<b>20 May 2024</b>	14 Mar 2024	27 Dec 2023
Machine Age	hrs	Client Info		<b>3511</b>	2990	2467
Oil Age	hrs	Client Info		<b>521</b>	2990	2467
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	None
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>18</b>	9	16
Iron	ppm	ASTM D5185m	>500	<b>18</b>	41	34
Chromium	ppm	ASTM D5185m	>15	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>2</b>	4	3
Lead	ppm	ASTM D5185m		<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>35	<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

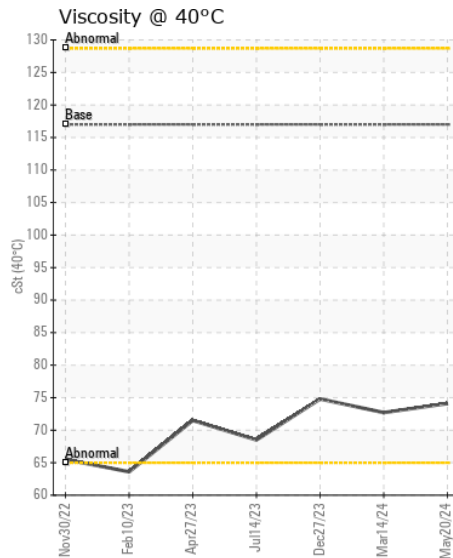
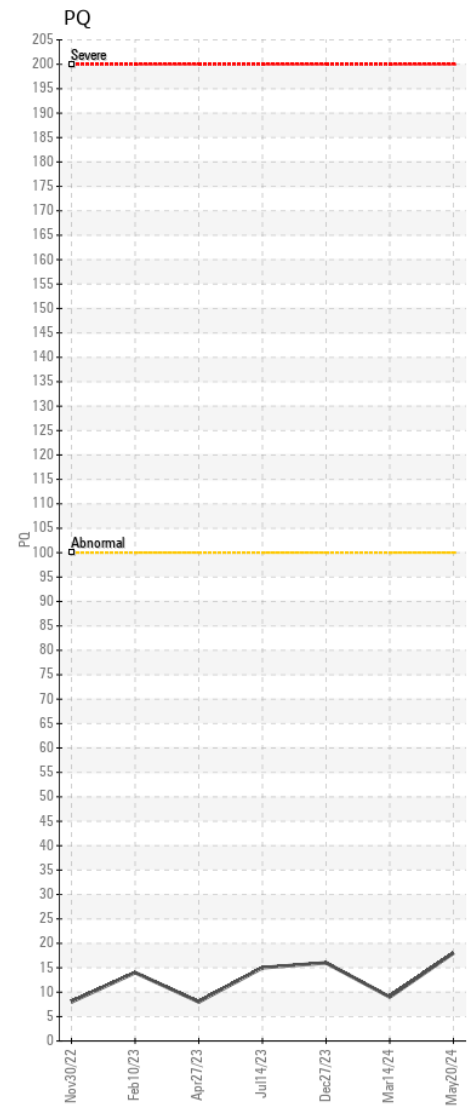
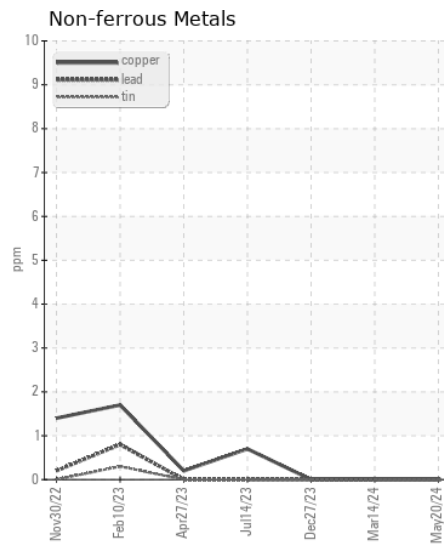
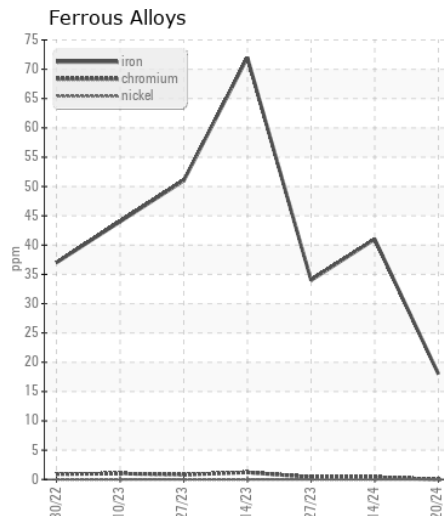
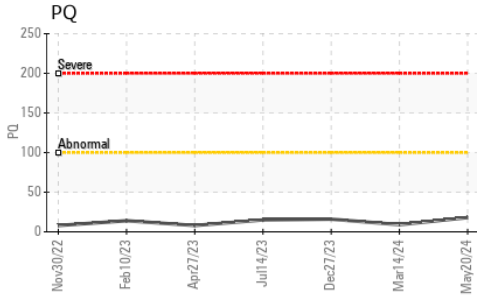
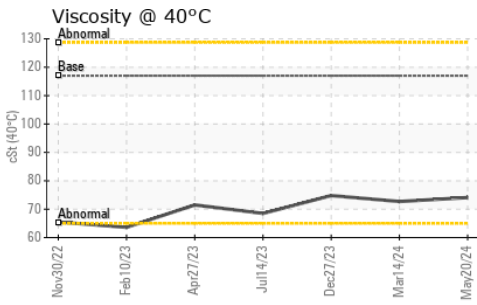
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>8</b>	9	9
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	1
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>2</b>	<1	0
Boron	ppm	ASTM D5185m		<b>289</b>	296	313
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>235</b>	260	256
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>756</b>	785	768
Calcium	ppm	ASTM D5185m		<b>1577</b>	1453	1414
Phosphorus	ppm	ASTM D5185m		<b>958</b>	939	921
Zinc	ppm	ASTM D5185m		<b>1007</b>	1062	1055
Sulfur	ppm	ASTM D5185m		<b>3834</b>	3938	3890
Visc @ 40°C	cSt	ASTM D445	117	<b>74.1</b>	72.7	74.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0214741

**Lab Number** : 06186527

**Unique Number** : 11043279

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 21 May 2024

**Tested** : 22 May 2024

**Diagnosed** : 22 May 2024 - Wes Davis

**JRE - MANASSAS PARK**

9107 OWENS DRIVE

MANASSAS PARK, VA

US 20111

Contact: TECHNICIAN ACCOUNT

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T:

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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