



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

Machine Id  
**JOHN DEERE 333E 1T0333EMAFE281041**  
 Component  
**Right Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (27 GAL)**

### RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0225542</b>	JR0176124	JR0051914
Sample Date		Client Info		<b>03 Jul 2024</b>	09 Jun 2023	25 Jun 2020
Machine Age	hrs	Client Info		<b>4113</b>	3676	2477
Oil Age	hrs	Client Info		<b>0</b>	3676	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>Changed</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

Gear wear is indicated. All other component wear rates are normal.

PQ		ASTM D8184	>1250	<b>32</b>	22	76
Iron	ppm	ASTM D5185m	>750	<b>▲ 1510</b>	101	<b>▲ 1664</b>
Chromium	ppm	ASTM D5185m	>9	<b>▲ 24</b>	<1	14
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	<1	8
Titanium	ppm	ASTM D5185m		<b>1</b>	1	4
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>8</b>	10	<b>● 47</b>
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	2
Copper	ppm	ASTM D5185m	>40	<b>2</b>	<1	11
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

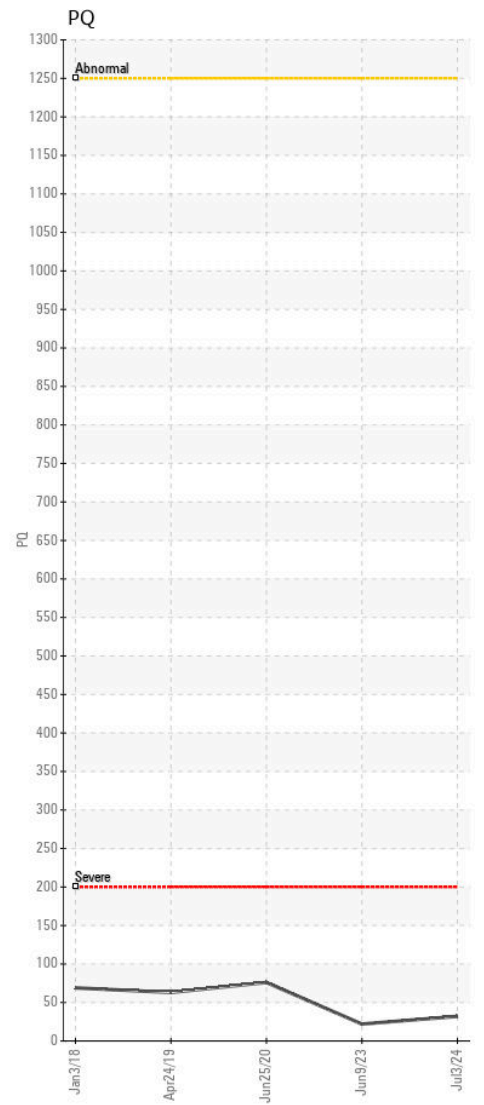
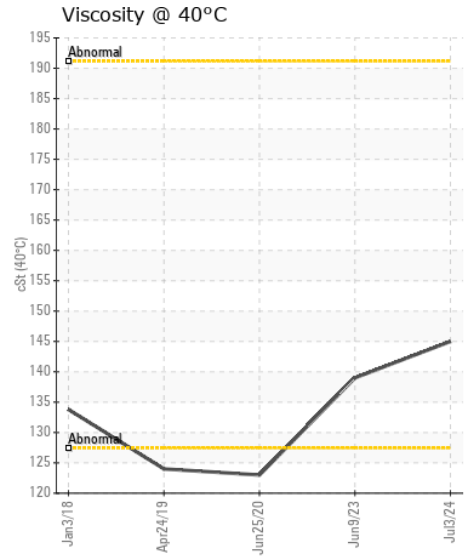
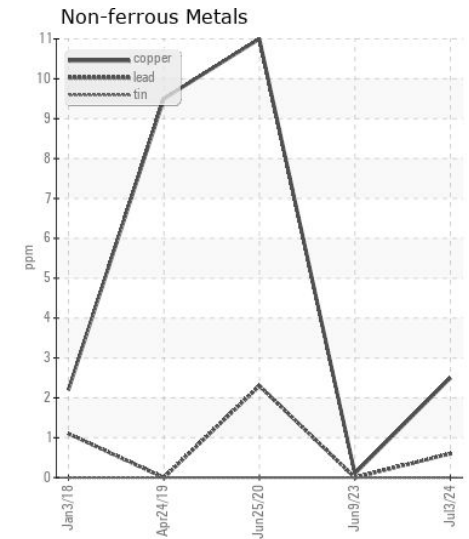
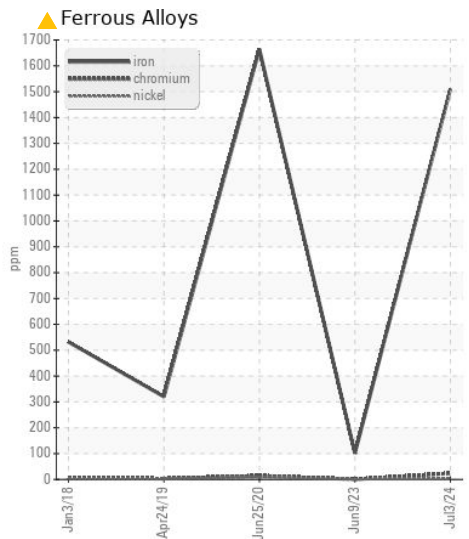
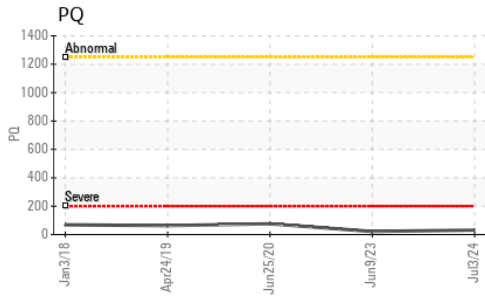
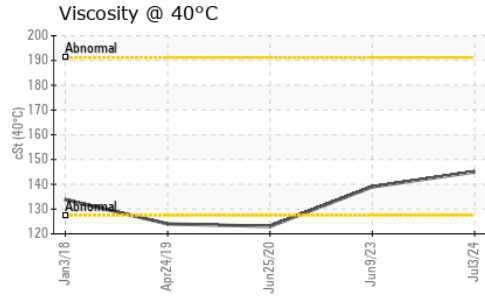
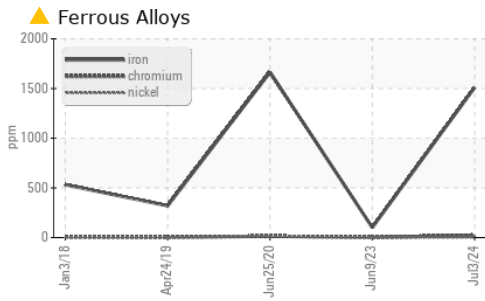
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>34</b>	38	<b>▲ 243</b>
Potassium	ppm	ASTM D5185m	>20	<b>14</b>	4	18
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	<b>▲ MODER</b>	LIGHT
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	>0.075	<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>5</b>	0	4
Boron	ppm	ASTM D5185m		<b>9</b>	40	177
Barium	ppm	ASTM D5185m		<b>21</b>	2	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	1	4
Manganese	ppm	ASTM D5185m		<b>12</b>	<1	12
Magnesium	ppm	ASTM D5185m		<b>7</b>	4	31
Calcium	ppm	ASTM D5185m		<b>8</b>	10	78
Phosphorus	ppm	ASTM D5185m		<b>402</b>	469	1066
Zinc	ppm	ASTM D5185m		<b>0</b>	5	134
Sulfur	ppm	ASTM D5185m		<b>22242</b>	21268	16776
Visc @ 40°C	cSt	ASTM D445		<b>145</b>	139	123



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0225542 **Received** : 08 Jul 2024  
**Lab Number** : 06230463 **Tested** : 10 Jul 2024  
**Unique Number** : 11113956 **Diagnosed** : 10 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - MANASSAS PARK**  
 9107 OWENS DRIVE  
 MANASSAS PARK, VA  
 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)