



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

Machine Id  
**JOHN DEERE 250G 1FF250GXJMF611693**  
 Component  
**Left Final Drive**  
 Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

### WEAR

Gear wear is indicated.

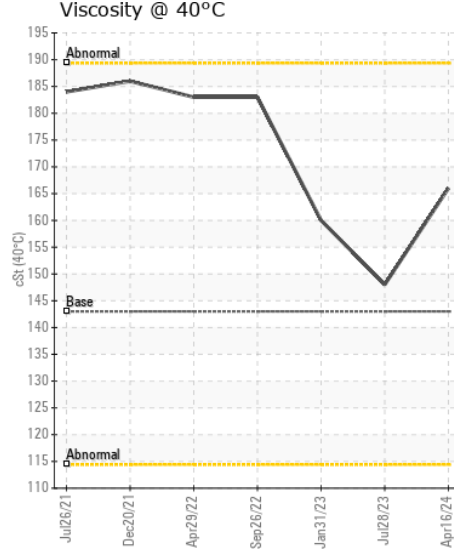
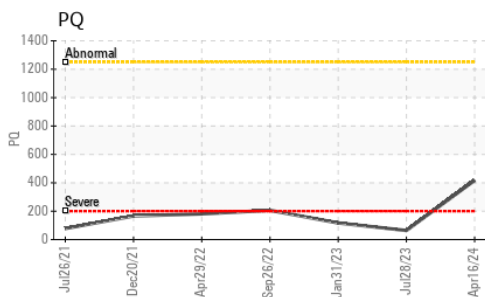
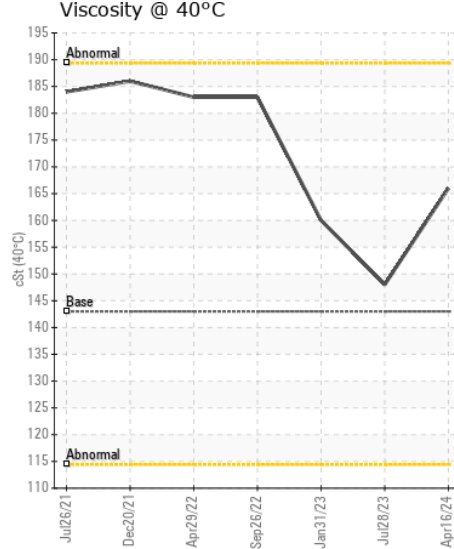
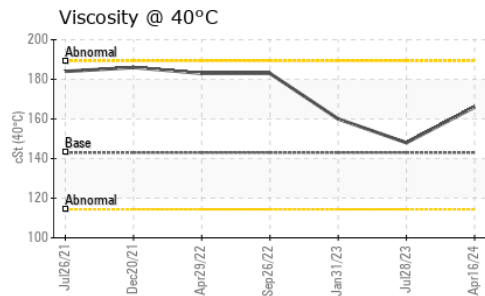
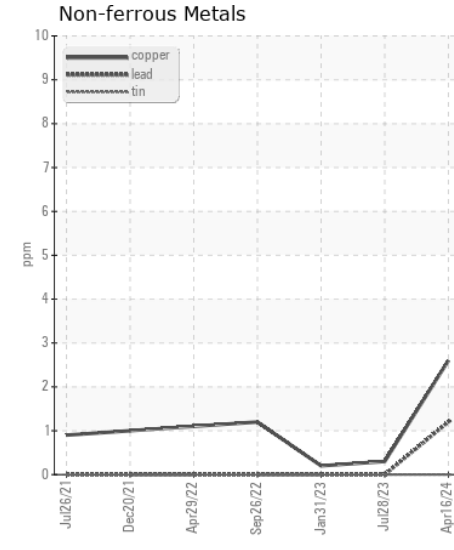
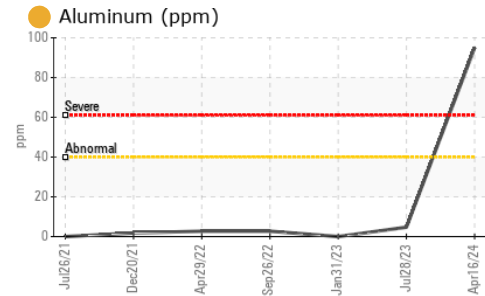
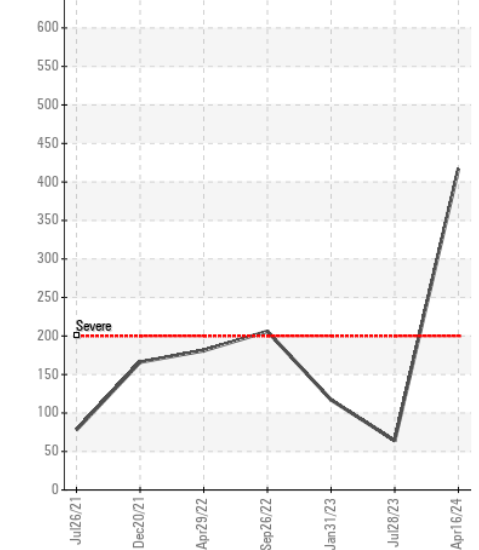
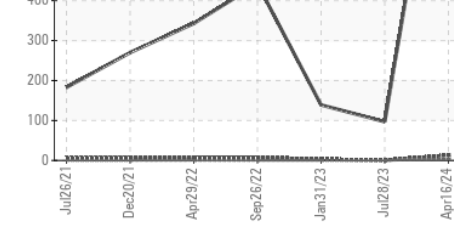
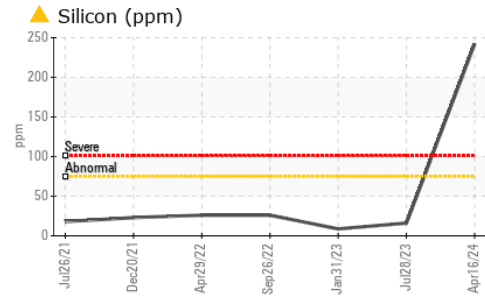
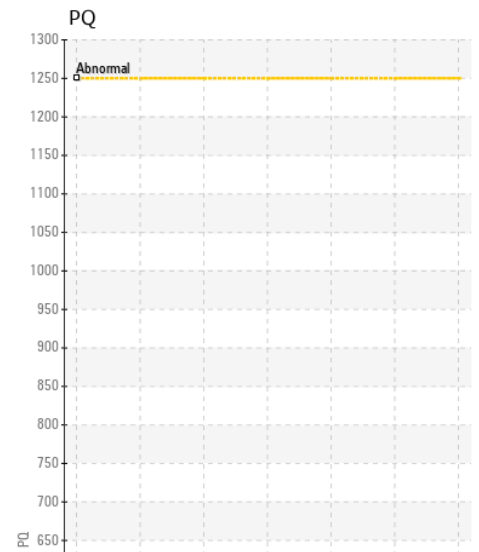
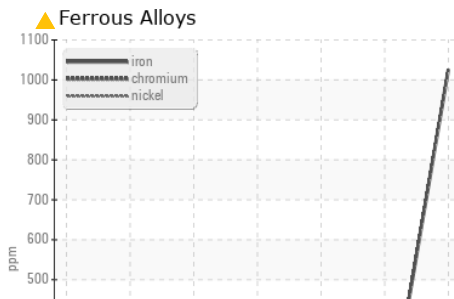
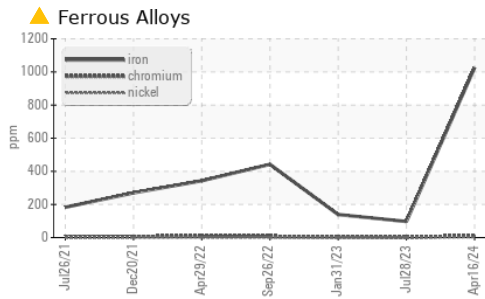
### CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0205520</b>	JR0179045	JR0155285
Sample Date		Client Info		<b>16 Apr 2024</b>	28 Jul 2023	31 Jan 2023
Machine Age	hrs	Client Info		<b>4105</b>	2963	2417
Oil Age	hrs	Client Info		<b>3022</b>	1000	500
Filter Age	hrs	Client Info		<b>0</b>	0	500
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Changed
Sample Status				<b>ABNORMAL</b>	NORMAL	ABNORMAL
PQ		ASTM D8184	>1250	<b>417</b>	64	117
Iron	ppm	ASTM D5185m	>750	<b>▲ 1026</b>	97	139
Chromium	ppm	ASTM D5185m	>9	<b>▲ 13</b>	<1	3
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	0	0
Titanium	ppm	ASTM D5185m		<b>7</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>● 95</b>	5	0
Lead	ppm	ASTM D5185m	>15	<b>1</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>3</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	<b>▲ 242</b>	16	9
Potassium	ppm	ASTM D5185m	>20	<b>8</b>	2	<1
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>	NONE	▲ MODER
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
Sodium	ppm	ASTM D5185m	>170	<b>12</b>	1	<1
Boron	ppm	ASTM D5185m	400	<b>73</b>	174	94
Barium	ppm	ASTM D5185m	200	<b>4</b>	0	0
Molybdenum	ppm	ASTM D5185m	12	<b>1</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>13</b>	<1	3
Magnesium	ppm	ASTM D5185m	12	<b>14</b>	3	6
Calcium	ppm	ASTM D5185m	150	<b>40</b>	53	10
Phosphorus	ppm	ASTM D5185m	1650	<b>897</b>	881	831
Zinc	ppm	ASTM D5185m	125	<b>19</b>	30	15
Sulfur	ppm	ASTM D5185m	22500	<b>22419</b>	21417	19548
Visc @ 40°C	cSt	ASTM D445	143	<b>166</b>	148	160



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0205520 **Received** : 18 Apr 2024  
**Lab Number** : 06153424 **Tested** : 19 Apr 2024  
**Unique Number** : 10983502 **Diagnosed** : 22 Apr 2024 - Angela Borella  
**Test Package** : CONST ( Additional Tests: PQ )

**CK CONTRACTING**  
 124-1 WOODING PL  
 KINGS MOUNTAIN, NC  
 US 28086  
 Contact: TAM WRIGHT  
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 T: (704)730-9948  
 F: (704)730-9975

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)