



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

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

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0220445</b>	JR0205520	JR0179045
Sample Date		Client Info		<b>09 Jul 2024</b>	16 Apr 2024	28 Jul 2023
Machine Age	hrs	Client Info		<b>4506</b>	4105	2963
Oil Age	hrs	Client Info		<b>401</b>	3022	1000
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	Not Chngd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>98</b>	417	64
Iron	ppm	ASTM D5185m	>750	<b>208</b>	▲ 1026	97
Chromium	ppm	ASTM D5185m	>9	<b>4</b>	▲ 13	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	3	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	7	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	● 95	5
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	1	0
Copper	ppm	ASTM D5185m	>40	<b>2</b>	3	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

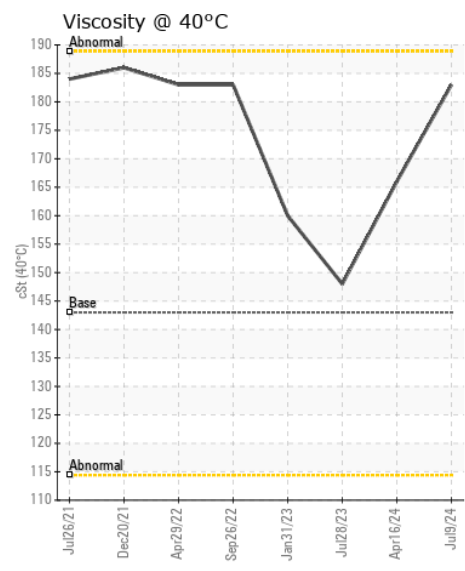
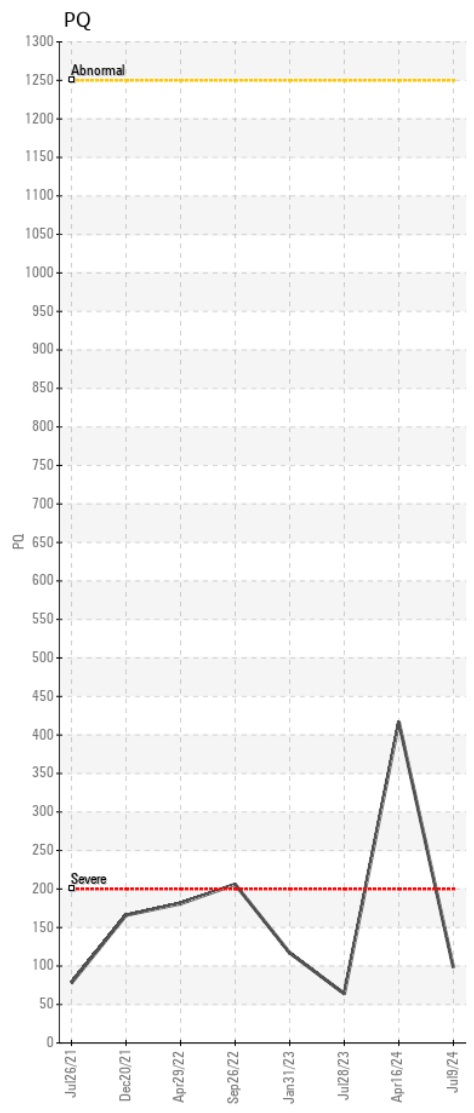
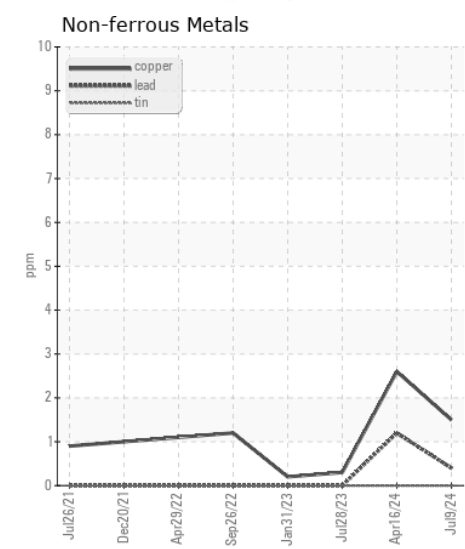
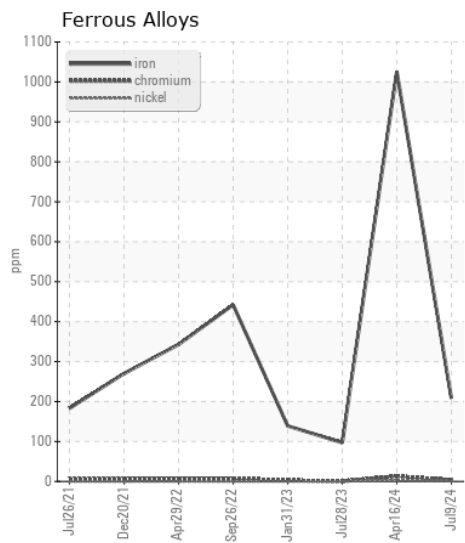
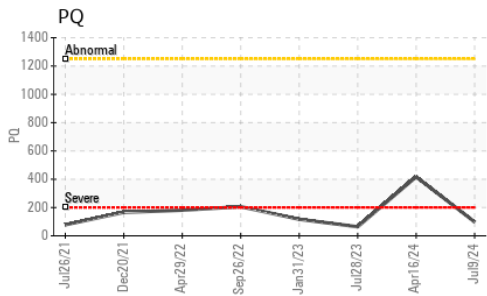
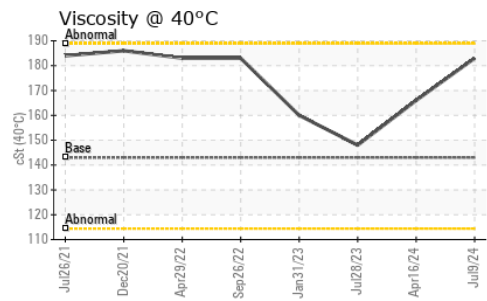
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>23</b>	▲ 242	16
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	8	2
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	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	>0.075	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	<b>0</b>	12	1
Boron	ppm	ASTM D5185m	400	<b>52</b>	73	174
Barium	ppm	ASTM D5185m	200	<b>4</b>	4	0
Molybdenum	ppm	ASTM D5185m	12	<b>&lt;1</b>	1	0
Manganese	ppm	ASTM D5185m		<b>5</b>	13	<1
Magnesium	ppm	ASTM D5185m	12	<b>4</b>	14	3
Calcium	ppm	ASTM D5185m	150	<b>75</b>	40	53
Phosphorus	ppm	ASTM D5185m	1650	<b>482</b>	897	881
Zinc	ppm	ASTM D5185m	125	<b>52</b>	19	30
Sulfur	ppm	ASTM D5185m	22500	<b>13803</b>	22419	21417
Visc @ 40°C	cSt	ASTM D445	143	<b>183</b>	166	148



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0220445 **Received** : 15 Jul 2024  
**Lab Number** : 06236372 **Tested** : 16 Jul 2024  
**Unique Number** : 11125206 **Diagnosed** : 16 Jul 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**CK CONTRACTING**  
 124-1 WOODING PL  
 KINGS MOUNTAIN, NC  
 US 28086  
 Contact: TAM WRIGHT  
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Certificate L2367  
 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)