



Area  
**[16W16100]**  
 Machine Id  
**JOHN DEERE 210G 1FF210GXHNF529953**  
 Component  
**Pump Drive**  
 Fluid  
**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. ( Customer Sample Comment: 16W16100 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0207056</b>	JR0196577	JR0173908
Sample Date		Client Info		<b>22 Apr 2024</b>	05 Dec 2023	26 Jun 2023
Machine Age	hrs	Client Info		<b>1960</b>	1482	1009
Oil Age	hrs	Client Info		<b>951</b>	473	1009
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL

### WEAR

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

PQ		ASTM D8184		<b>43</b>	47	12
Iron	ppm	ASTM D5185m	>151	<b>▲ 178</b>	130	36
Chromium	ppm	ASTM D5185m	>11	<b>3</b>	2	1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	2
Aluminum	ppm	ASTM D5185m	>21	<b>9</b>	6	2
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	2
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

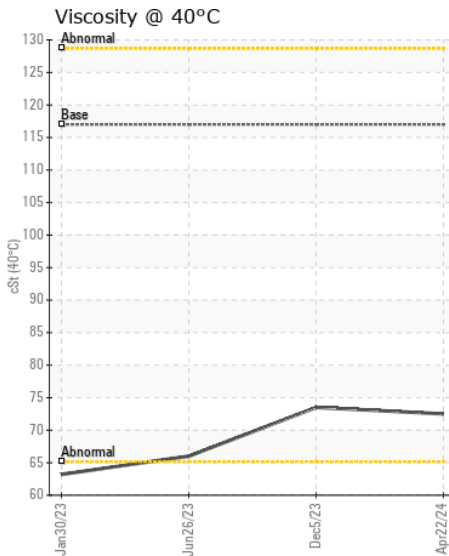
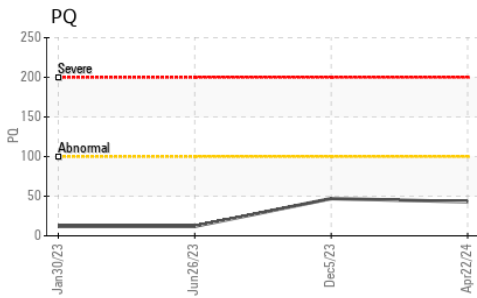
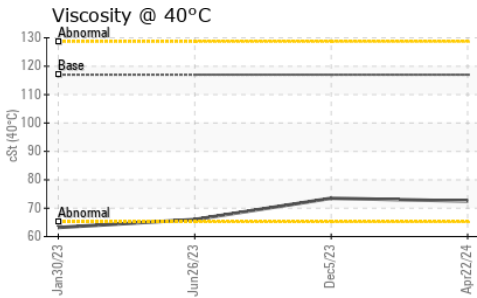
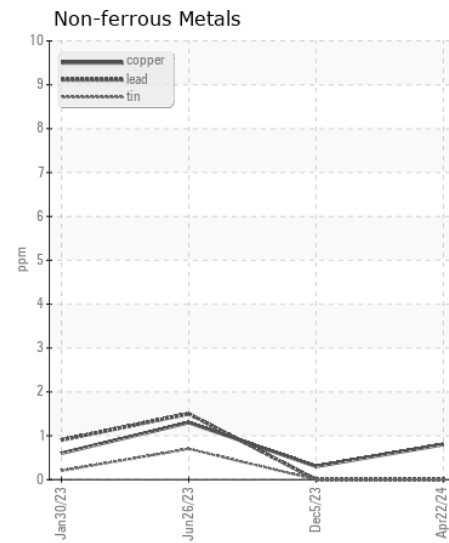
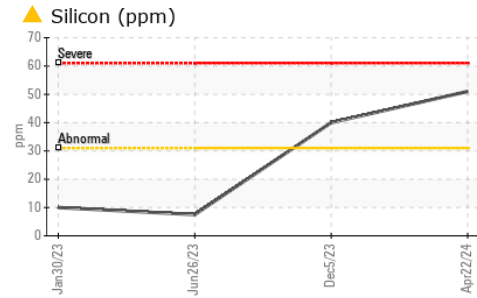
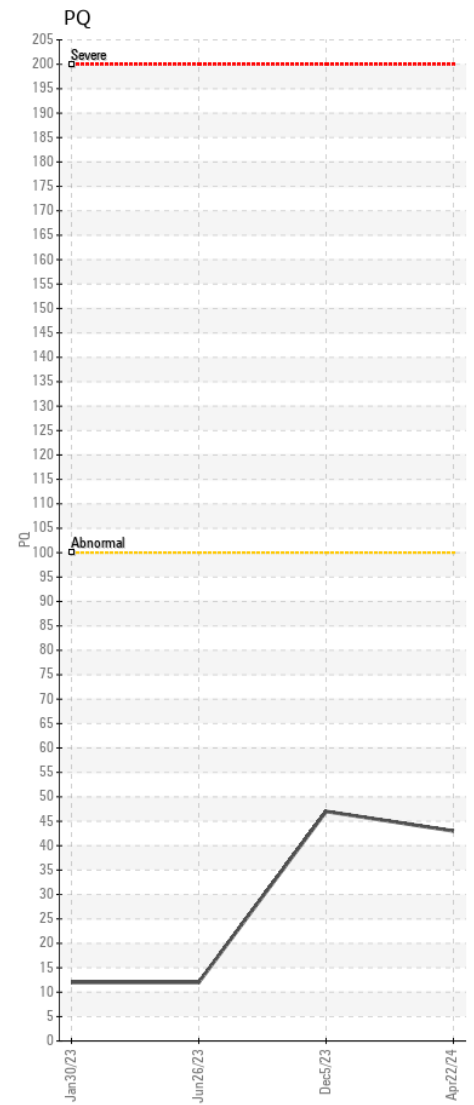
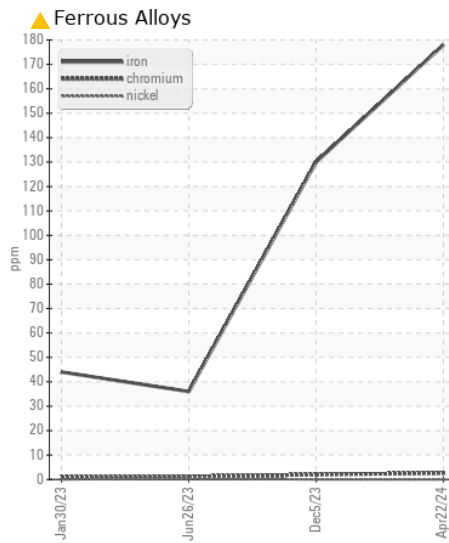
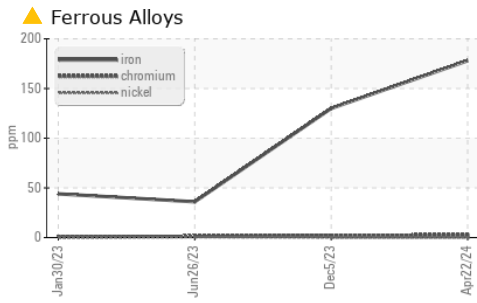
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>31	<b>▲ 51</b>	▲ 40	8
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	5	2
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.

Sodium	ppm	ASTM D5185m	>51	<b>2</b>	4	4
Boron	ppm	ASTM D5185m		<b>283</b>	270	42
Barium	ppm	ASTM D5185m		<b>0</b>	<1	3
Molybdenum	ppm	ASTM D5185m		<b>248</b>	242	77
Manganese	ppm	ASTM D5185m		<b>3</b>	2	2
Magnesium	ppm	ASTM D5185m		<b>793</b>	734	19
Calcium	ppm	ASTM D5185m		<b>1757</b>	1681	3071
Phosphorus	ppm	ASTM D5185m		<b>1004</b>	973	873
Zinc	ppm	ASTM D5185m		<b>1120</b>	1108	1034
Sulfur	ppm	ASTM D5185m		<b>4279</b>	3738	7409
Visc @ 40°C	cSt	ASTM D445	117	<b>72.5</b>	73.5	66.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0207056 **Received** : 24 Apr 2024  
**Lab Number** : 06159372 **Tested** : 25 Apr 2024  
**Unique Number** : 10994795 **Diagnosed** : 26 Apr 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CASTLE HAYNE**  
 113 CROWATAN ROAD  
 CASTLE HAYNE, NC  
 US 28429-5819

Contact: WILMINGTON SHOP

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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)