



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

Machine Id  
**JOHN DEERE 160G 1FF160XANF058607**

Component  
**Hydraulic System**

Fluid  
**{not provided} (--- QTS)**

### 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>JR0206693</b>	JR0150227	---
Sample Date		Client Info		<b>16 Apr 2024</b>	08 Nov 2022	---
Machine Age	hrs	Client Info		<b>1001</b>	457	---
Oil Age	hrs	Client Info		<b>544</b>	500	---
Filter Age	hrs	Client Info		<b>0</b>	500	---
Oil Changed		Client Info		<b>Not Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>22</b>	11	---
Iron	ppm	ASTM D5185m	>32	<b>3</b>	<1	---
Chromium	ppm	ASTM D5185m	>9	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>9	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m	>28	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>2</b>	0	---
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

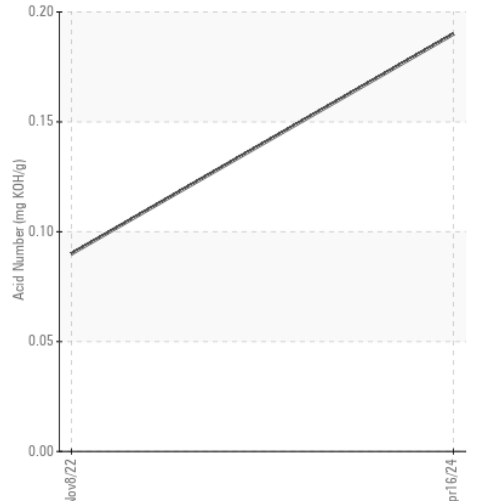
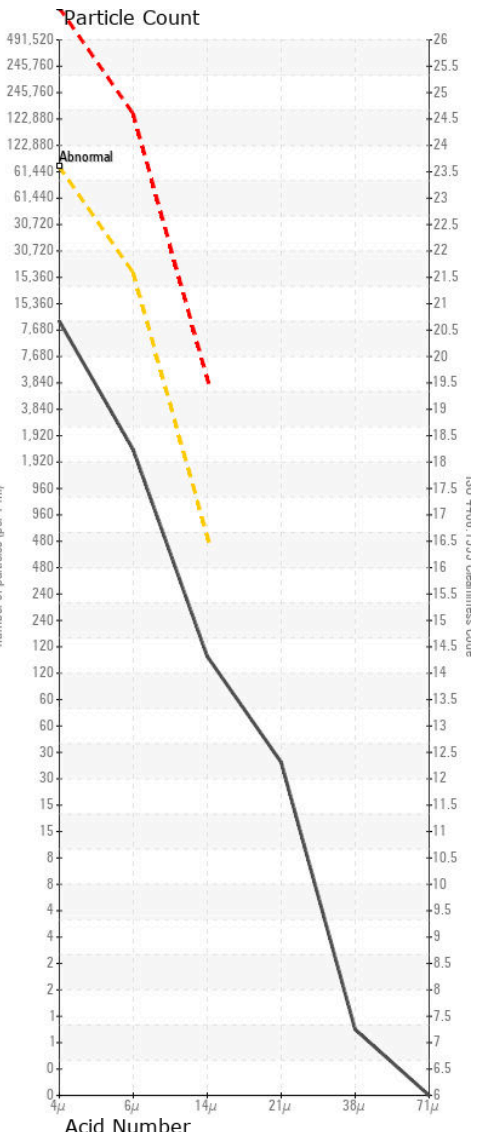
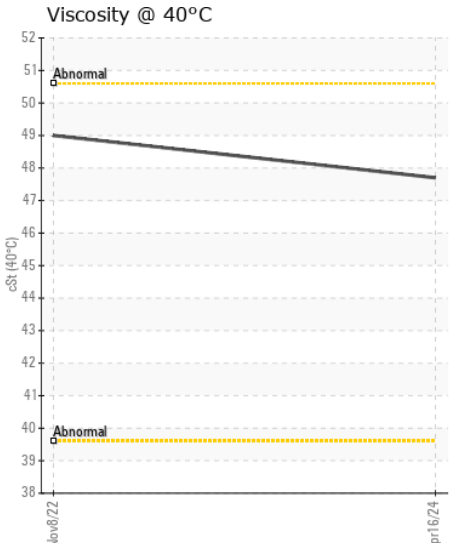
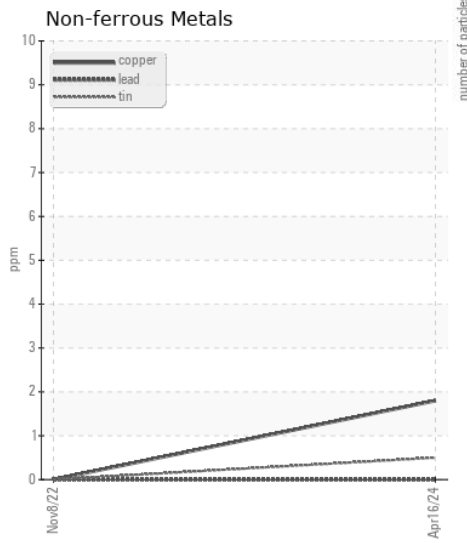
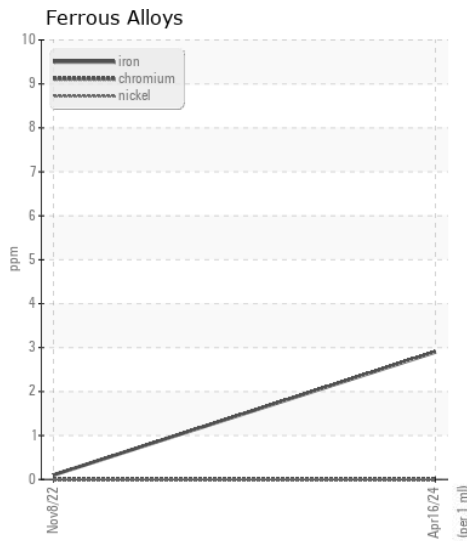
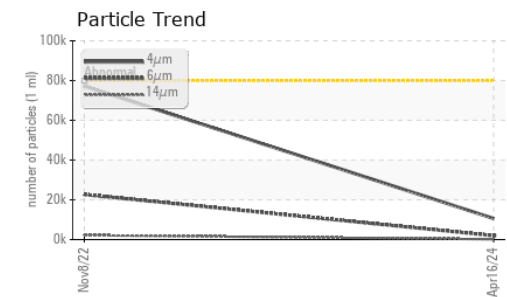
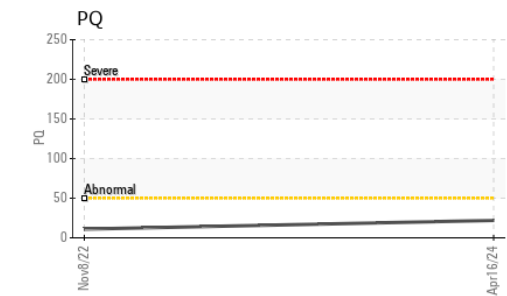
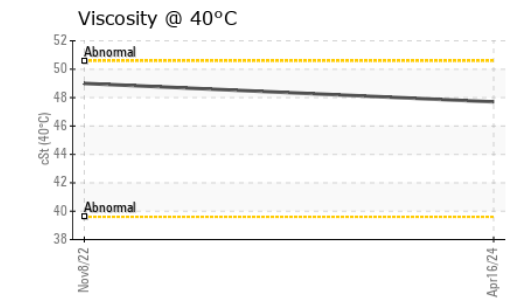
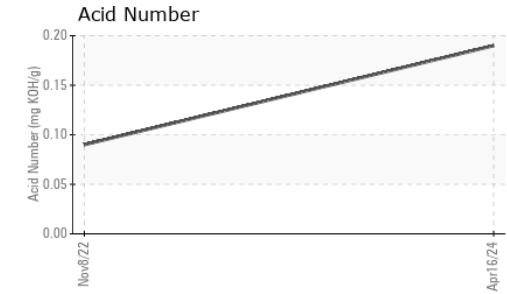
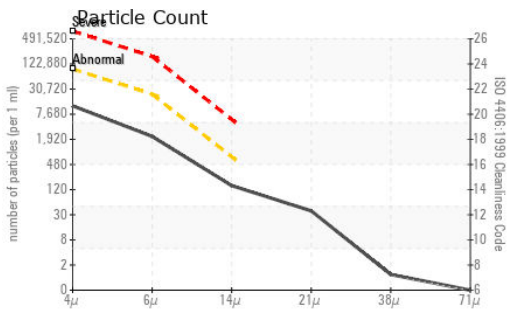
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>11	<b>1</b>	<1	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>80000	<b>10612</b>	77209	---
Particles >6µm		ASTM D7647	>20000	<b>1972</b>	▲ 22643	---
Particles >14µm		ASTM D7647	>640	<b>132</b>	▲ 2200	---
Particles >21µm		ASTM D7647	>160	<b>33</b>	▲ 494	---
Particles >38µm		ASTM D7647	>40	<b>1</b>	31	---
Particles >71µm		ASTM D7647	>10	<b>0</b>	2	---
Oil Cleanliness		ISO 4406 (c)	>23/21/16	<b>21/18/14</b>	▲ 23/22/18	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	VLITE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	NEG	---

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>21	<b>2</b>	0	---
Boron	ppm	ASTM D5185m		<b>0</b>	2	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	2	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	5	---
Calcium	ppm	ASTM D5185m		<b>2</b>	19	---
Phosphorus	ppm	ASTM D5185m		<b>514</b>	630	---
Zinc	ppm	ASTM D5185m		<b>21</b>	34	---
Sulfur	ppm	ASTM D5185m		<b>137</b>	114	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.19</b>	0.09	---
Visc @ 40°C	cSt	ASTM D445		<b>47.7</b>	49.0	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0206693 **Received** : 18 Apr 2024  
**Lab Number** : 06152961 **Tested** : 19 Apr 2024  
**Unique Number** : 10983039 **Diagnosed** : 19 Apr 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269

Contact: CHARLOTTE SHOP  
 myoung@jamesriverequipment.com

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)

T: (704)597-0211  
 F: (704)596-6198