



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

Machine Id  
**JOHN DEERE 350G 1FF350GXTHF812256**

Component  
**Pump Drive**

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

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

### WEAR

Gear wear is indicated.

### CONTAMINATION

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

### FLUID CONDITION

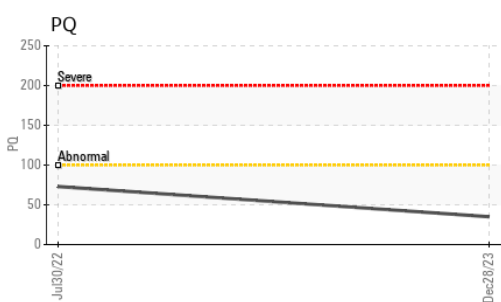
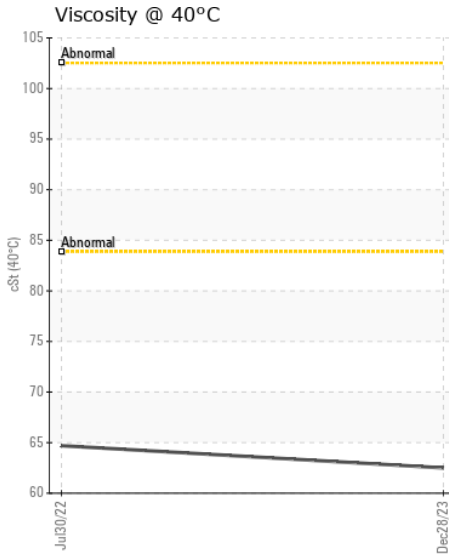
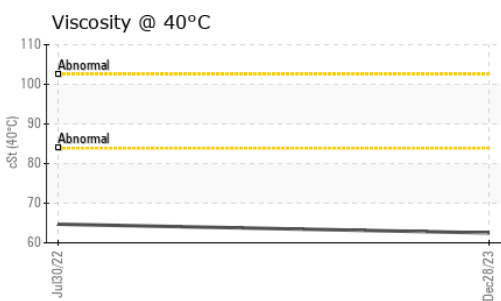
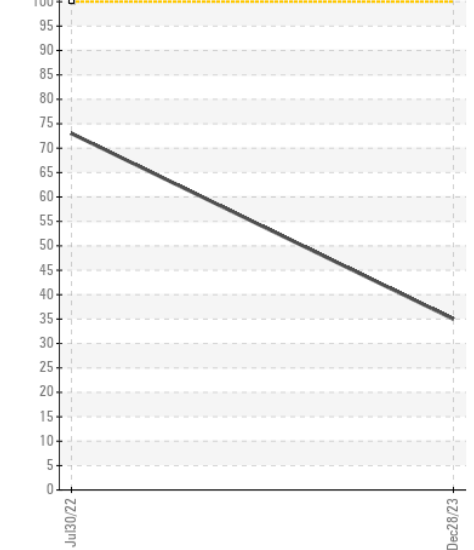
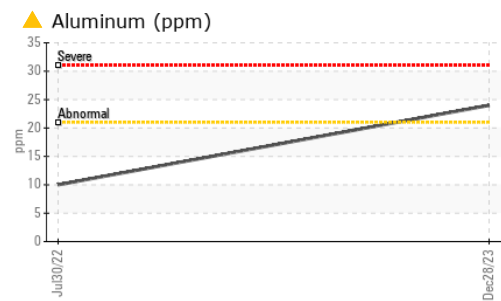
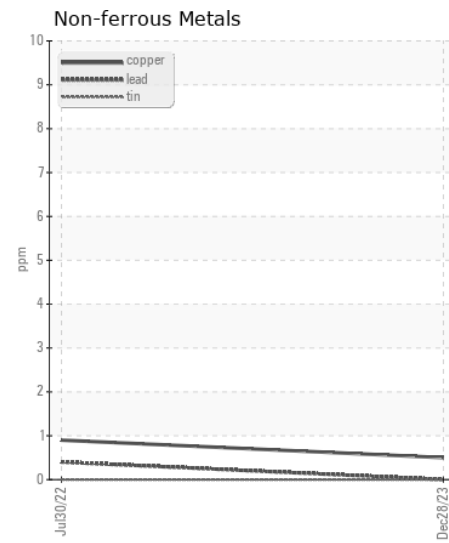
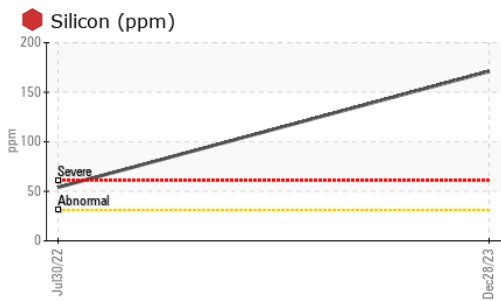
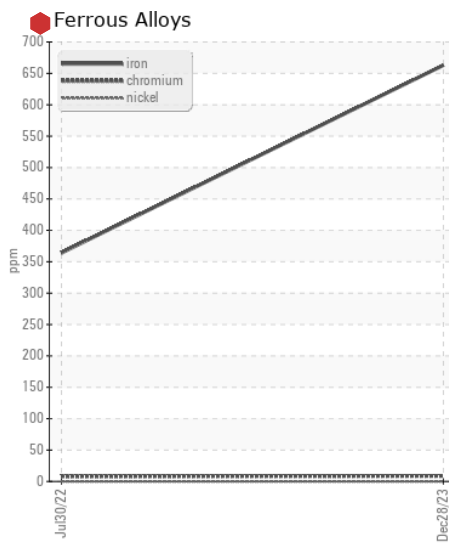
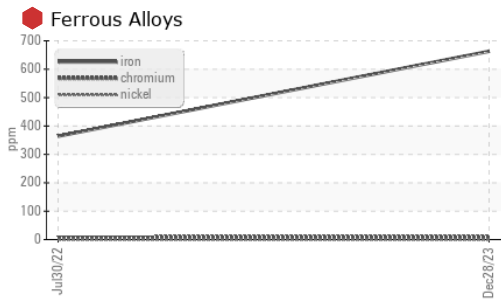
The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0196269</b>	JR0136509	---
Sample Date		Client Info		<b>28 Dec 2023</b>	30 Jul 2022	---
Machine Age	hrs	Client Info		<b>4539</b>	2944	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>SEVERE</b>	ABNORMAL	---

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>35</b>	73	---
Iron	ppm	ASTM D5185m	>151	<b>663</b>	364	---
Chromium	ppm	ASTM D5185m	>11	<b>9</b>	8	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>1</b>	1	---
Silver	ppm	ASTM D5185m		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>21	<b>24</b>	10	---
Lead	ppm	ASTM D5185m	>51	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>4	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>MODER</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

Silicon	ppm	ASTM D5185m	>31	<b>171</b>	54	---
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	<1	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
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	>0.1	<b>NEG</b>	NEG	---

Sodium	ppm	ASTM D5185m	>51	<b>5</b>	4	---
Boron	ppm	ASTM D5185m		<b>245</b>	387	---
Barium	ppm	ASTM D5185m		<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185m		<b>232</b>	264	---
Manganese	ppm	ASTM D5185m		<b>9</b>	7	---
Magnesium	ppm	ASTM D5185m		<b>760</b>	833	---
Calcium	ppm	ASTM D5185m		<b>1418</b>	1560	---
Phosphorus	ppm	ASTM D5185m		<b>1032</b>	957	---
Zinc	ppm	ASTM D5185m		<b>1000</b>	1070	---
Sulfur	ppm	ASTM D5185m		<b>4292</b>	3966	---
Visc @ 40°C	cSt	ASTM D445		<b>62.5</b>	64.7	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0196269 **Received** : 08 Jan 2024  
**Lab Number** : 06054221 **Diagnosed** : 09 Jan 2024  
**Unique Number** : 10820170 **Diagnostician** : Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CASTLE HAYNE**  
 113 CROWATAN ROAD  
 CASTLE HAYNE, NC  
 US 28429-5819  
 Contact: WILMINGTON SHOP

To discuss this sample report, contact Customer Service at 1-800-237-1369.

todd.simmons@jamesnverequipment.com; canastasio@wearcheck.com; canastasio@we

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (910)675-9211

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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