



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

Machine Id  
**JOHN DEERE 350G 1FF350GXVJF812433**  
 Component  
**Pump Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0186279</b>	JR0181268	JR0163406
Sample Date		Client Info		<b>14 Nov 2023</b>	25 Jul 2023	11 Apr 2023
Machine Age	hrs	Client Info		<b>5501</b>	5160	4686
Oil Age	hrs	Client Info		<b>341</b>	4612	4585
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>21</b>	14	13
Iron	ppm	ASTM D5185m	>151	<b>35</b>	88	56
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	2	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>3</b>	8	4
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>0</b>	<1	0
Tin	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

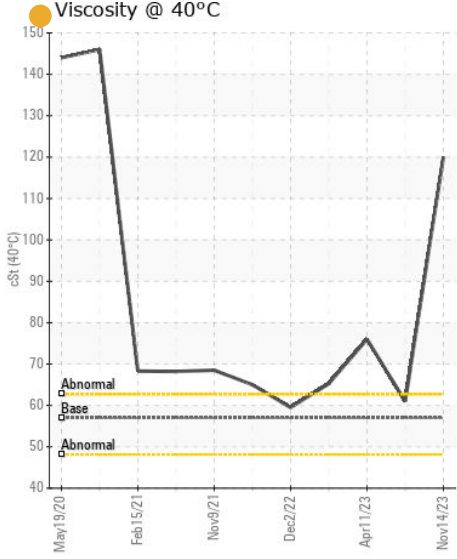
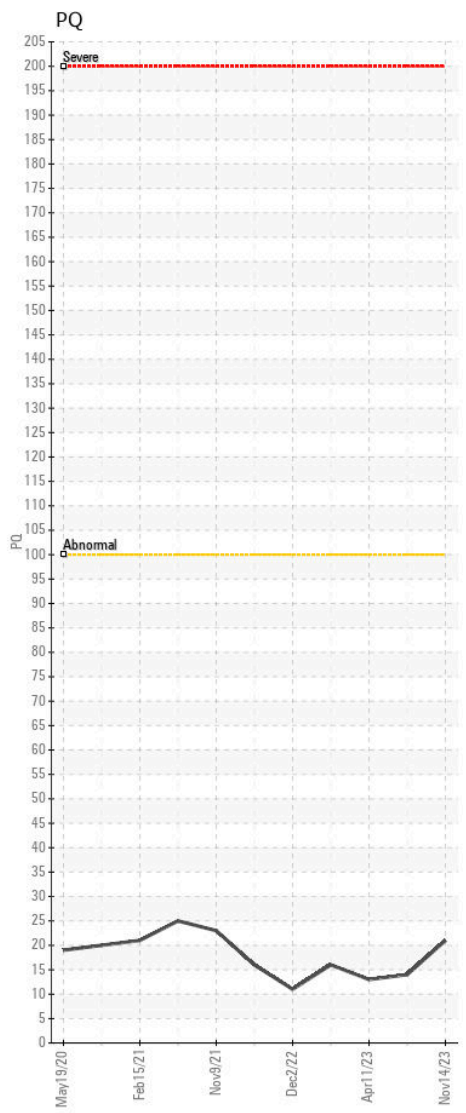
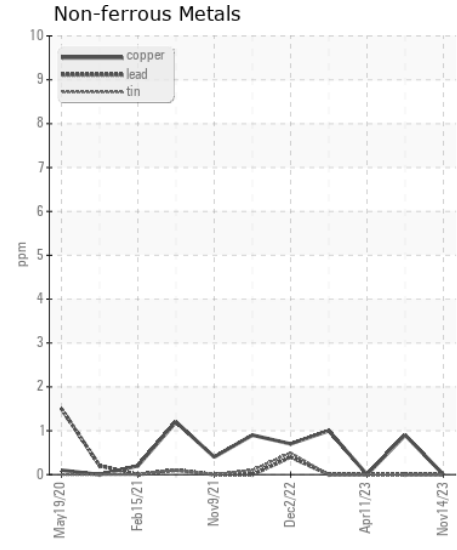
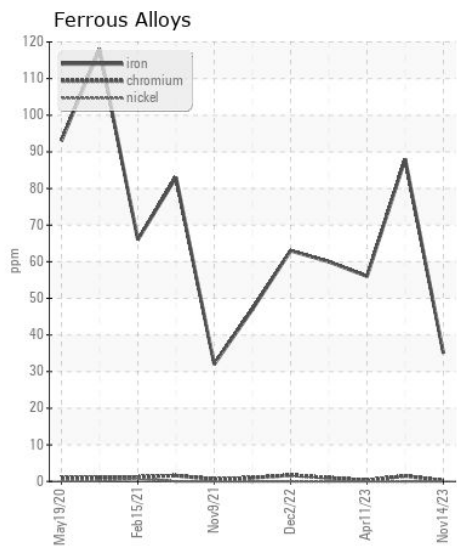
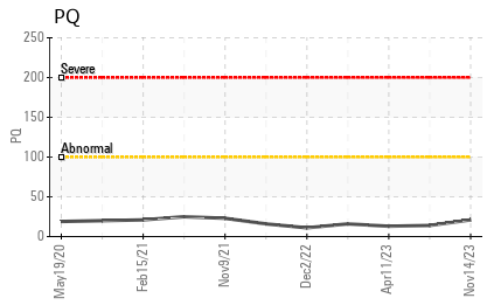
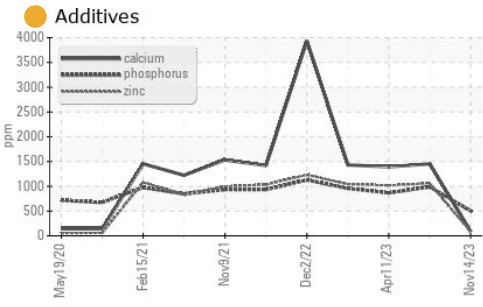
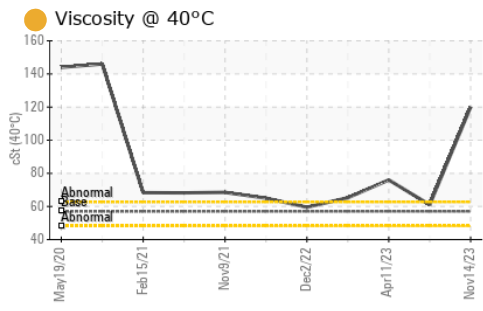
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>15</b>	30	23
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	0
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>	LIGHT	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 oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m	>51	<b>1</b>	3	1
Boron	ppm	ASTM D5185m	6	<b>10</b>	285	260
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	0
Molybdenum	ppm	ASTM D5185m	0	<b>11</b>	248	232
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	1
Magnesium	ppm	ASTM D5185m	145	<b>29</b>	796	766
Calcium	ppm	ASTM D5185m	3570	<b>86</b>	1452	1393
Phosphorus	ppm	ASTM D5185m	1290	<b>504</b>	988	867
Zinc	ppm	ASTM D5185m	1640	<b>83</b>	1060	1016
Sulfur	ppm	ASTM D5185m		<b>14649</b>	3984	3410
Visc @ 40°C	cSt	ASTM D445	57.0	<b>120</b>	61.0	76.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0186279  
**Lab Number** : 06008625  
**Unique Number** : 10742387  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GARNER**  
 4161 AUBURN CHURCH RD  
 GARNER, NC  
 US 27529

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)

**Received** : 15 Nov 2023  
**Tested** : 16 Nov 2023  
**Diagnosed** : 17 Nov 2023 - Sean Felton

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