



# OIL ANALYSIS REPORT

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

Area

[125538]

Machine Id

JOHN DEERE 350G 1FF350GXCKF813932

Component

Right Final Drive

Fluid

JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

## RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

## WEAR

Gear wear is indicated.

## CONTAMINATION

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

## FLUID CONDITION

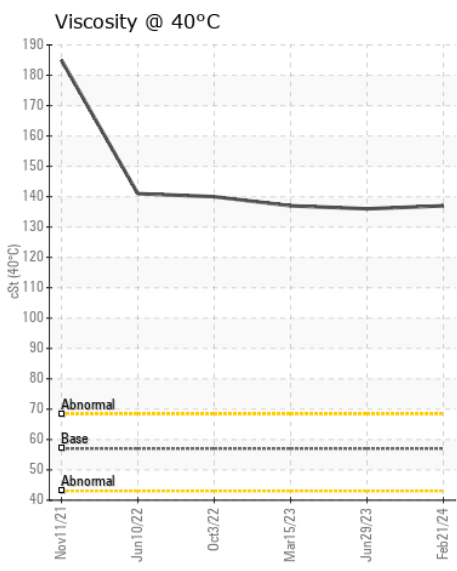
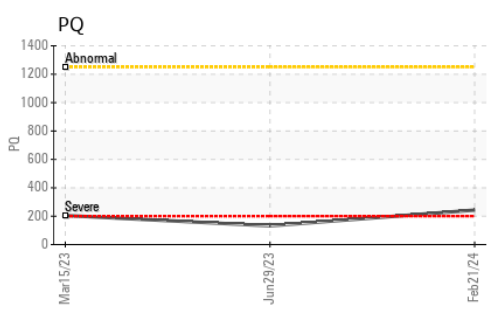
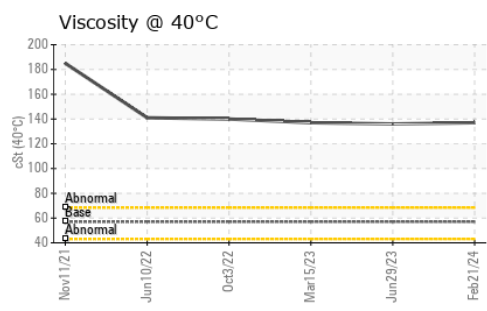
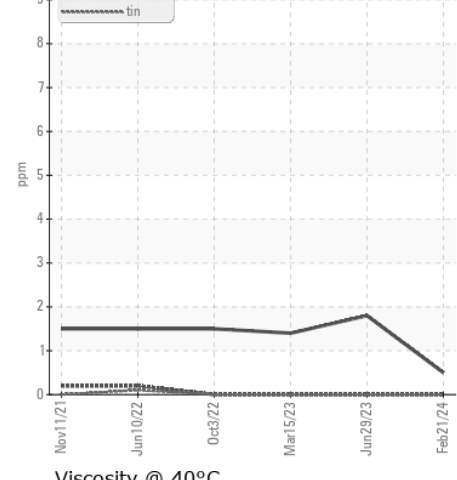
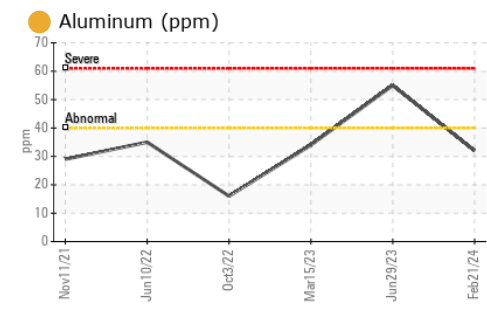
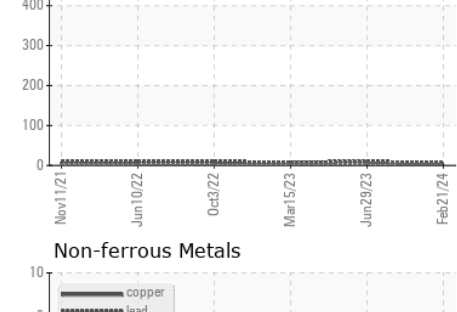
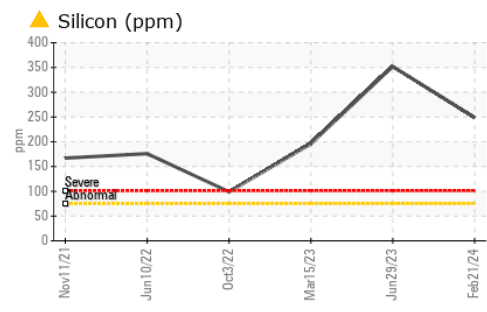
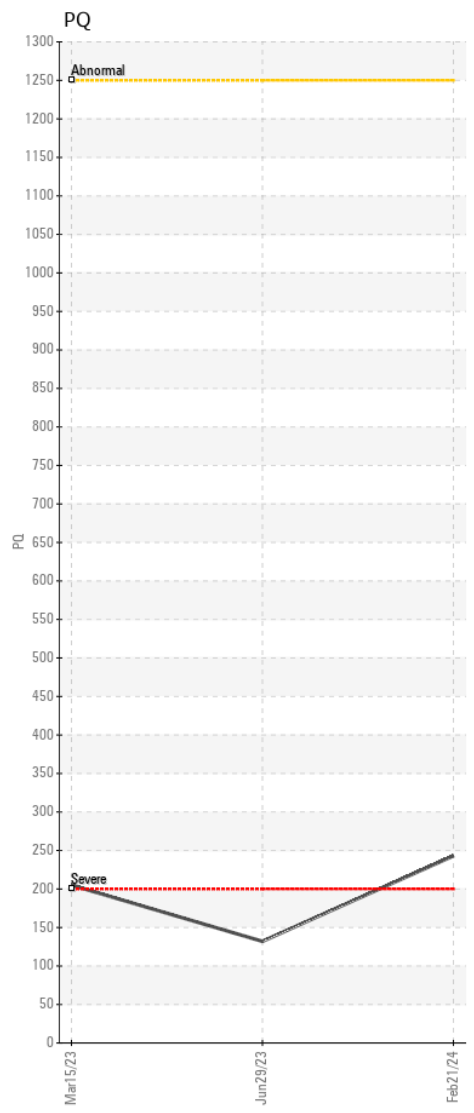
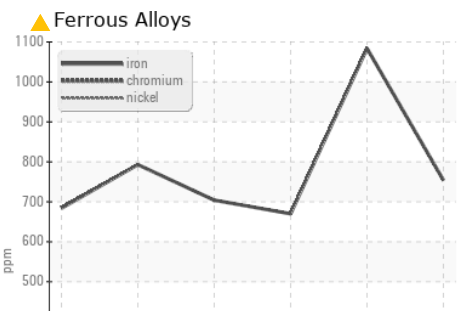
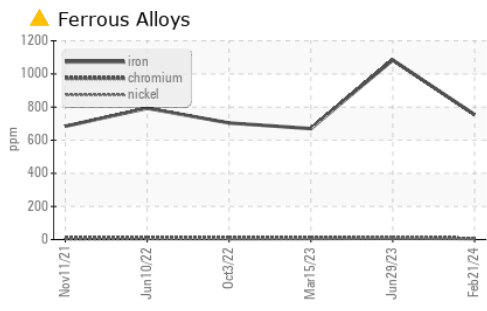
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0006343</b>	WE0004356	WE0003768
Sample Date		Client Info		<b>21 Feb 2024</b>	29 Jun 2023	15 Mar 2023
Machine Age	hrs	Client Info		<b>4418</b>	3950	3452
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	N/A
Filter Changed		Client Info		<b>Not Changd</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	SEVERE	ABNORMAL

PQ		ASTM D8184	>1250	<b>243</b>	132	205
Iron	ppm	ASTM D5185m	>750	<b>▲ 754</b>	▲ 1084	670
Chromium	ppm	ASTM D5185m	>9	<b>7</b>	▲ 9	8
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	4	3
Titanium	ppm	ASTM D5185m		<b>4</b>	5	4
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>● 32</b>	● 55	● 34
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	2	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

Silicon	ppm	ASTM D5185m	>75	<b>▲ 249</b>	▲ 352	▲ 196
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	5	2
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>MODER</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

Sodium	ppm	ASTM D5185m	>51	<b>&lt;1</b>	1	<1
Boron	ppm	ASTM D5185m	6	<b>243</b>	229	232
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	<1	1
Manganese	ppm	ASTM D5185m		<b>6</b>	9	7
Magnesium	ppm	ASTM D5185m	145	<b>8</b>	1	4
Calcium	ppm	ASTM D5185m	3570	<b>35</b>	12	22
Phosphorus	ppm	ASTM D5185m	1290	<b>1057</b>	907	913
Zinc	ppm	ASTM D5185m	1640	<b>18</b>	3	0
Sulfur	ppm	ASTM D5185m		<b>19517</b>	21734	21693
Visc @ 40°C	cSt	ASTM D445	57.0	<b>137</b>	136	137



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0006343  
**Lab Number** : 06106423  
**Unique Number** : 10909920  
**Test Package** : CONST ( Additional Tests: PQ )  
**Received** : 01 Mar 2024  
**Tested** : 04 Mar 2024  
**Diagnosed** : 05 Mar 2024 - Jonathan Hester

**WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT**  
 P.O. BOX 412  
 NORTHPORT, AL  
 US 35476  
 Contact: CRAIG ANDOE  
 serve01@warriortractor.com  
 T: (205)339-0300  
 F:

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)