



# OIL ANALYSIS REPORT

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



Area  
**FAIRMONT**  
Machine Id  
**JOHN DEERE 350GLC 1FF350GXJEF810295**  
Component  
**Swing Drive**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (3 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0036071</b>	LEC0035308	LEC0023719
Sample Date		Client Info		<b>23 Aug 2023</b>	23 Sep 2022	08 Nov 2021
Machine Age	hrs	Client Info		<b>7354</b>	6863	6163
Oil Age	hrs	Client Info		<b>491</b>	2937	2237
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>None</b>	None	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>15</b>	12	20
Iron	ppm	ASTM D5185m	>151	<b>15</b>	26	12
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>1</b>	1	<1
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	0
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

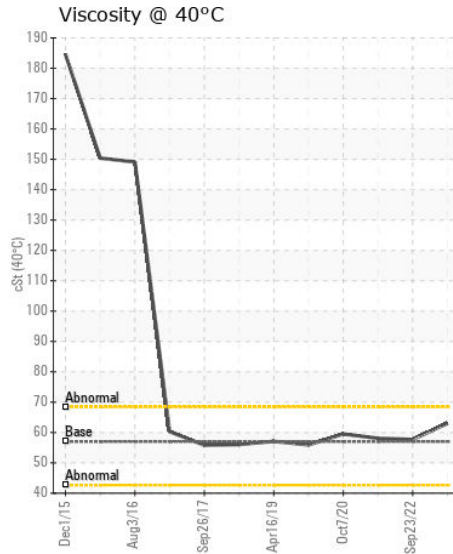
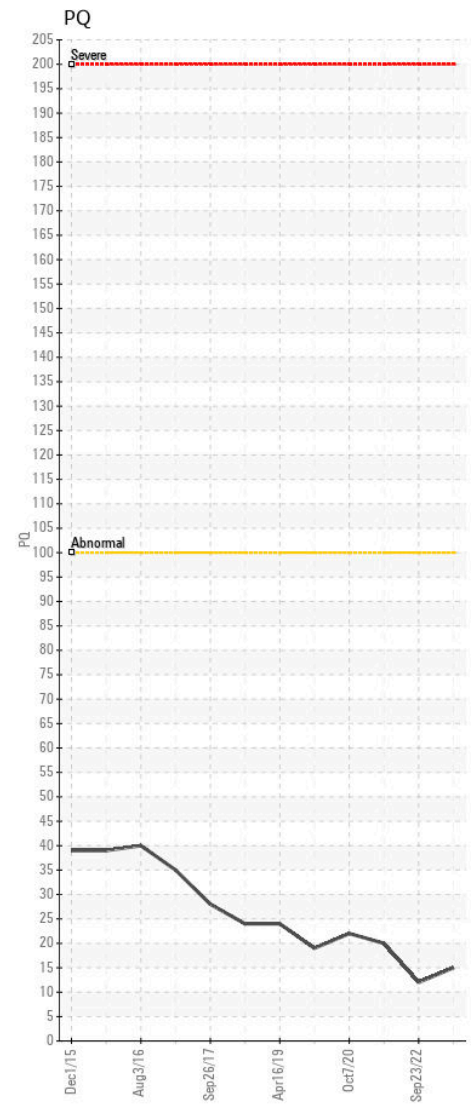
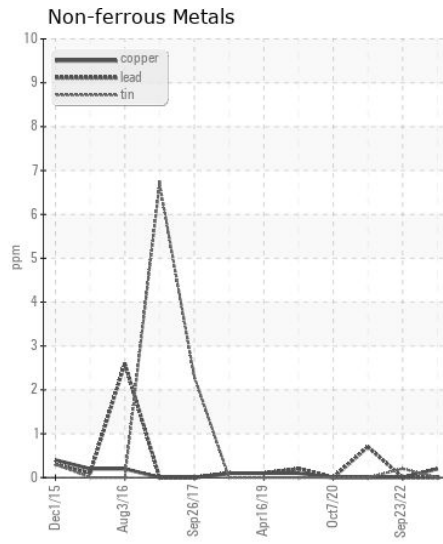
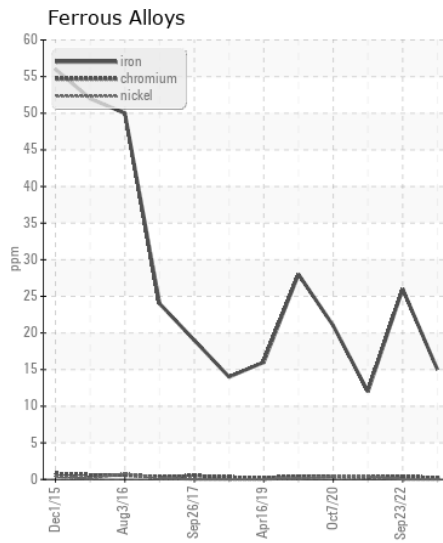
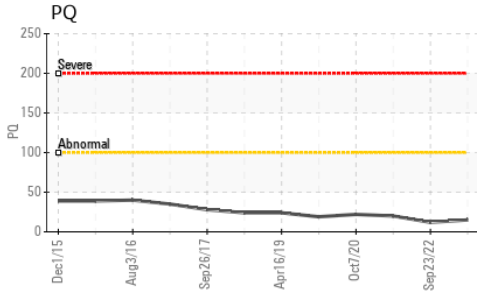
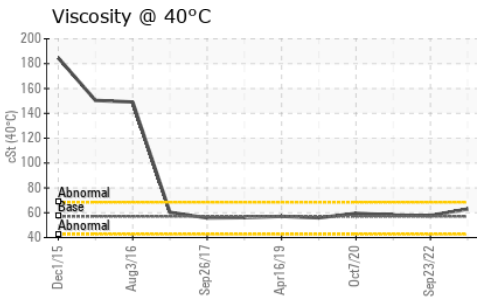
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>7</b>	8	7
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	1
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>0</b>	0	<1
Boron	ppm	ASTM D5185m	6	<b>7</b>	17	14
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>7</b>	13	12
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	145	<b>106</b>	129	139
Calcium	ppm	ASTM D5185m	3570	<b>3311</b>	3236	3458
Phosphorus	ppm	ASTM D5185m	1290	<b>949</b>	919	989
Zinc	ppm	ASTM D5185m	1640	<b>1178</b>	1143	1221
Sulfur	ppm	ASTM D5185m		<b>3825</b>	3996	3132
Visc @ 40°C	cSt	ASTM D445	57.0	<b>63.0</b>	57.7	58.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0036071 **Received** : 25 Aug 2023  
**Lab Number** : 05934994 **Tested** : 28 Aug 2023  
**Unique Number** : 10620265 **Diagnosed** : 28 Aug 2023 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**SAFECO ENVIRONMENTAL**  
 3082 SOUTH HWY 88  
 DILLINER, PA  
 US 15327  
 Contact: B JORDAN  
 bjordan@safecoservices.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)

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