



# OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

**ATTENTION**  
**ABNORMAL**  
**NORMAL**



Area  
**Store 2 - Beaver [ro#145356]**  
Machine Id  
**JOHN DEERE 350G 1FF350GXKJF813187**  
Component  
**Right Propel Gearbox**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (2 GAL)**

## RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. ( Customer Sample Comment: Changed oil and sampled new oil. NEED RUSHED )

## WEAR

All component wear rates are normal.

## CONTAMINATION

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

## FLUID CONDITION

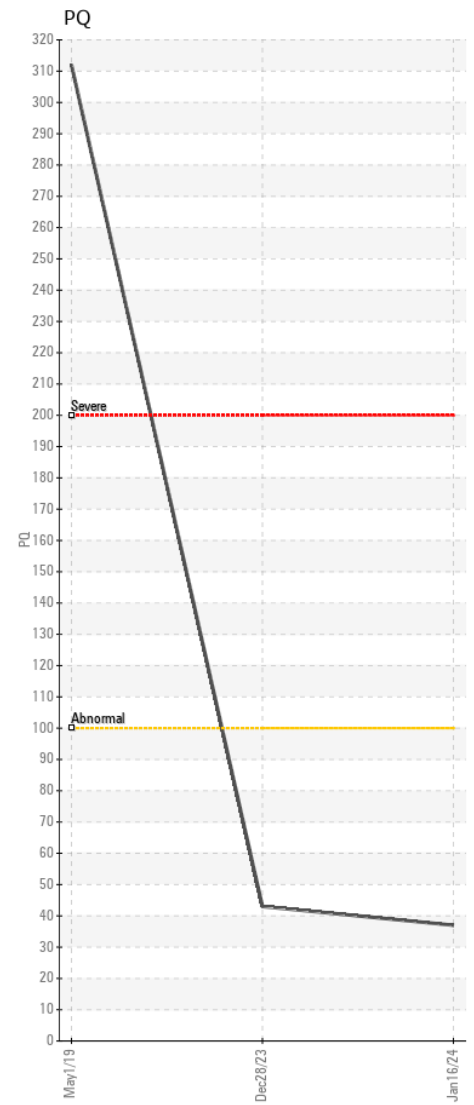
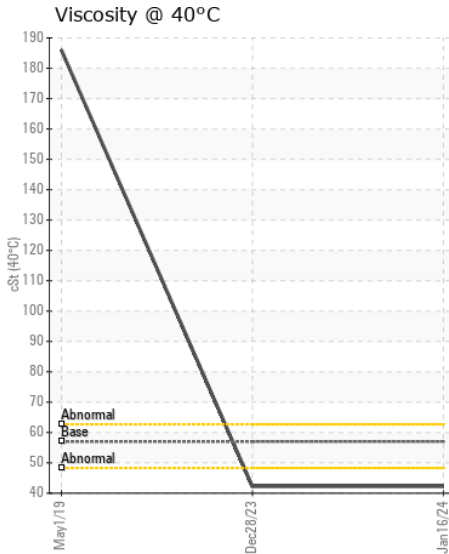
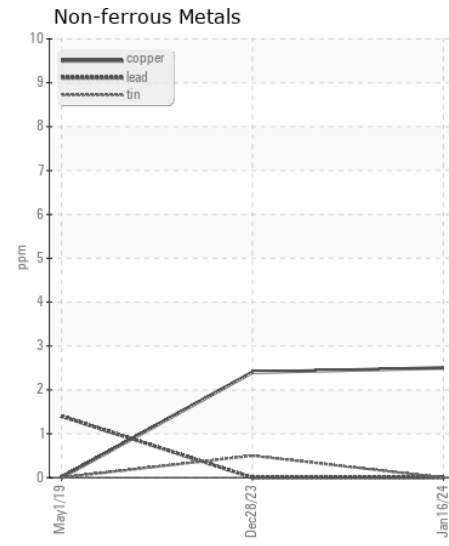
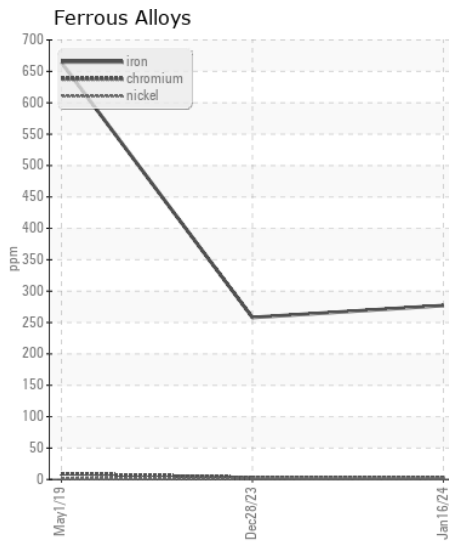
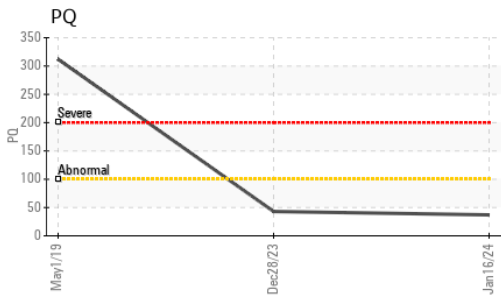
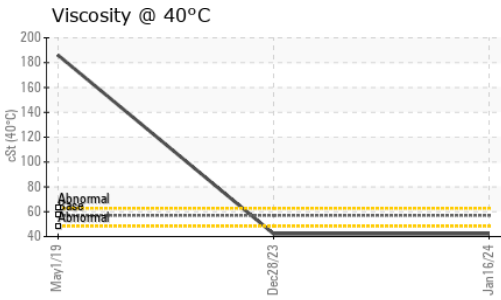
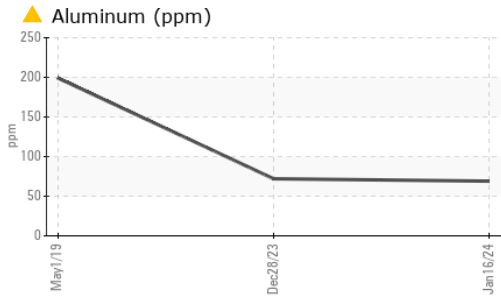
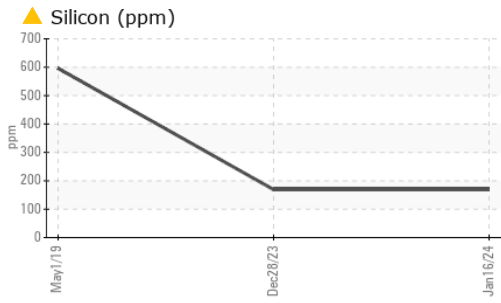
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0046790</b>	LEC0046819	LECP193123
Sample Date		Client Info		<b>16 Jan 2024</b>	28 Dec 2023	01 May 2019
Machine Age	hrs	Client Info		<b>1195</b>	1192	634
Oil Age	hrs	Client Info		<b>1</b>	558	634
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	SEVERE

PQ		ASTM D8184		<b>37</b>	43	312
Iron	ppm	ASTM D5185m	>1250	<b>277</b>	258	664
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	3	9
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>3</b>	3	13
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m		<b>▲ 69</b>	▲ 72	▲ 199
Lead	ppm	ASTM D5185m		<b>0</b>	0	1
Copper	ppm	ASTM D5185m		<b>2</b>	2	0
Tin	ppm	ASTM D5185m		<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	HEAVY
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m		<b>▲ 169</b>	▲ 169	● 596
Potassium	ppm	ASTM D5185m	>20	<b>21</b>	18	43
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>0</b>	2	4
Boron	ppm	ASTM D5185m	6	<b>20</b>	18	62
Barium	ppm	ASTM D5185m	0	<b>4</b>	0	5
Molybdenum	ppm	ASTM D5185m	0	<b>7</b>	7	0
Manganese	ppm	ASTM D5185m		<b>3</b>	4	10
Magnesium	ppm	ASTM D5185m	145	<b>110</b>	105	16
Calcium	ppm	ASTM D5185m	3570	<b>3043</b>	3308	48
Phosphorus	ppm	ASTM D5185m	1290	<b>911</b>	1013	439
Zinc	ppm	ASTM D5185m	1640	<b>1164</b>	1145	13
Sulfur	ppm	ASTM D5185m		<b>3891</b>	3770	13350
Visc @ 40°C	cSt	ASTM D445	57.0	<b>42.2</b>	42.2	186



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0046790 **Received** : 18 Jan 2024  
**Lab Number** : 06064584 **Diagnosed** : 21 Jan 2024  
**Unique Number** : 10835966 **Diagnostician** : Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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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