



# OIL ANALYSIS REPORT

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



Area  
**Store 8 - Pikeville [152172]**  
Machine Id  
**JOHN DEERE 210G 1FF210GXHKF527549**  
Component  
**Left Propel Gearbox**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (2 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0046367</b>	LEC0023632	LEC0006721
Sample Date		Client Info		<b>20 Jun 2024</b>	26 Aug 2021	22 Jan 2020
Machine Age	hrs	Client Info		<b>2029</b>	877	327
Oil Age	hrs	Client Info		<b>1152</b>	550	327
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ATTENTION

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>122</b>	213	528
Iron	ppm	ASTM D5185m	>1250	<b>217</b>	306	350
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	5	7
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185m		<b>10</b>	3	2
Lead	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m		<b>2</b>	2	2
Tin	ppm	ASTM D5185m		<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	VLITE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

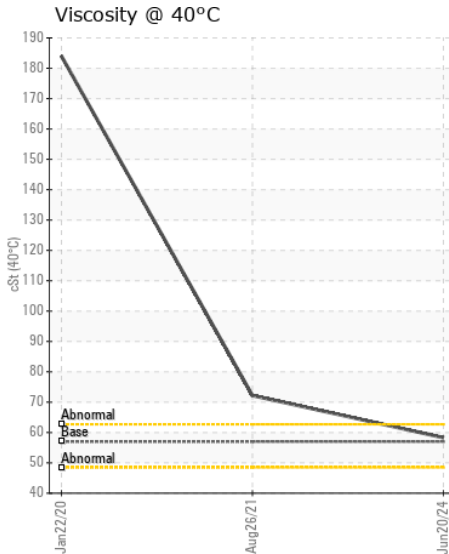
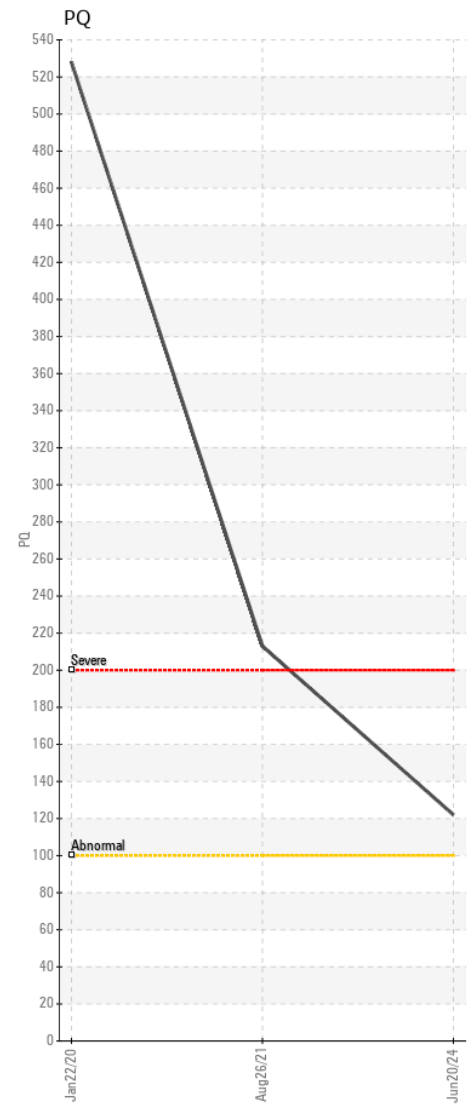
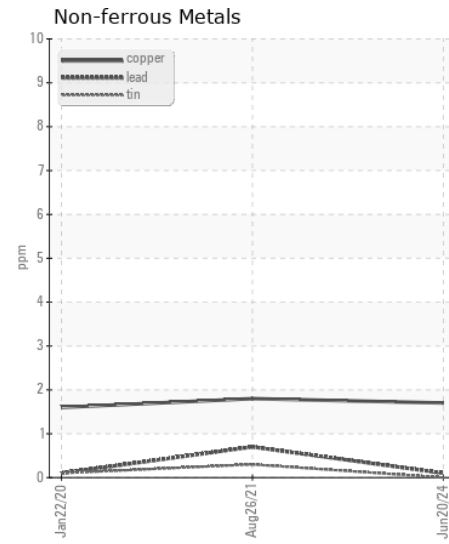
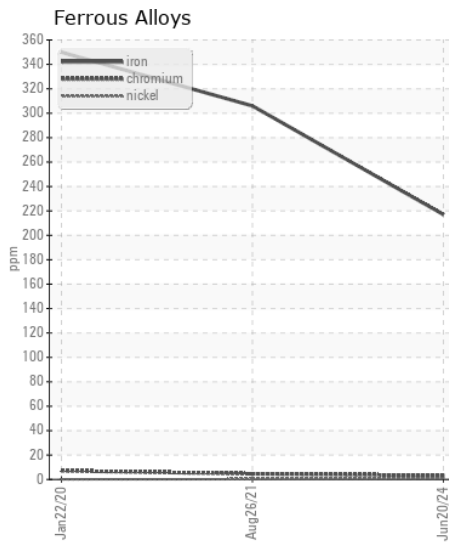
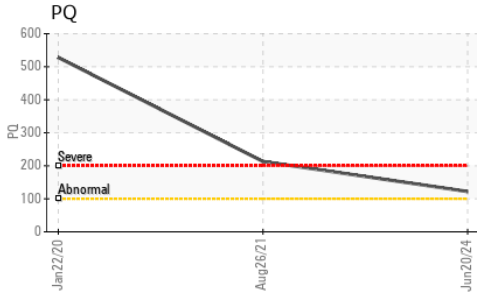
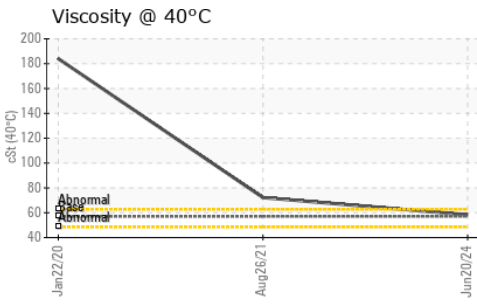
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>39</b>	24	24
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	1	1
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>	VLITE	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

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>1</b>	<1	0
Boron	ppm	ASTM D5185m	6	<b>23</b>	92	80
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	8
Molybdenum	ppm	ASTM D5185m	0	<b>14</b>	19	2
Manganese	ppm	ASTM D5185m		<b>3</b>	4	7
Magnesium	ppm	ASTM D5185m	145	<b>128</b>	140	<1
Calcium	ppm	ASTM D5185m	3570	<b>3157</b>	2942	77
Phosphorus	ppm	ASTM D5185m	1290	<b>1077</b>	959	528
Zinc	ppm	ASTM D5185m	1640	<b>1225</b>	1052	35
Sulfur	ppm	ASTM D5185m		<b>3901</b>	5278	13926
Visc @ 40°C	cSt	ASTM D445	57.0	<b>58.3</b>	72.2	184



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0046367 **Received** : 25 Jun 2024  
**Lab Number** : **06220062** **Tested** : 26 Jun 2024  
**Unique Number** : 11098259 **Diagnosed** : 26 Jun 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.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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