



# OIL ANALYSIS REPORT

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



Area  
**Store 4 - Fairmont**  
Machine Id  
**JOHN DEERE 250G 1FF250GXLF611927**  
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>LEC0051639</b>	LEC0043847	LEC0038880
Sample Date		Client Info		<b>12 Jun 2024</b>	01 Aug 2023	10 Feb 2023
Machine Age	hrs	Client Info		<b>1662</b>	1177	649
Oil Age	hrs	Client Info		<b>485</b>	528	649
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>	None	N/A
Sample Status				<b>NORMAL</b>	ATTENTION	NORMAL

## WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>103</b>	124	309
Iron	ppm	ASTM D5185m	>1250	<b>147</b>	112	610
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	2	12
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m		<b>2</b>	1	6
Lead	ppm	ASTM D5185m		<b>0</b>	0	0
Copper	ppm	ASTM D5185m		<b>&lt;1</b>	<1	2
Tin	ppm	ASTM D5185m		<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

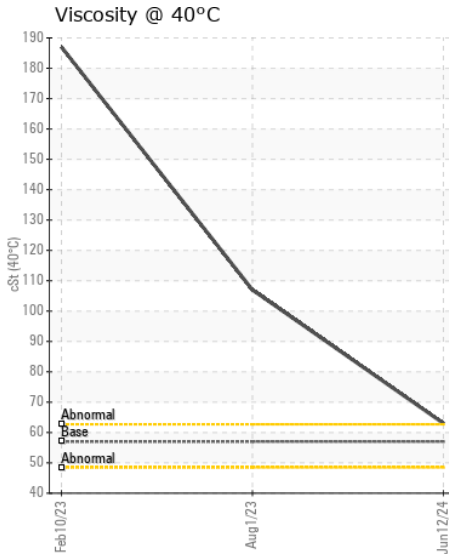
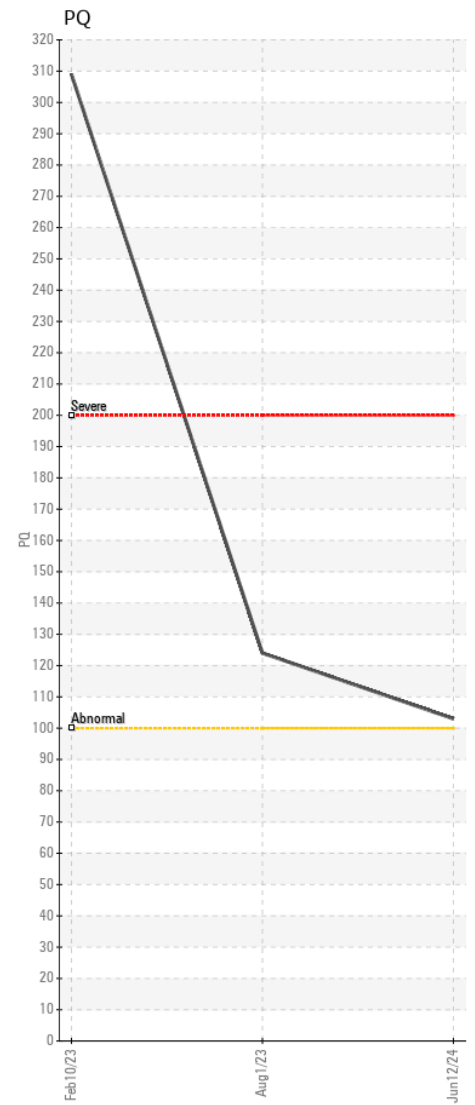
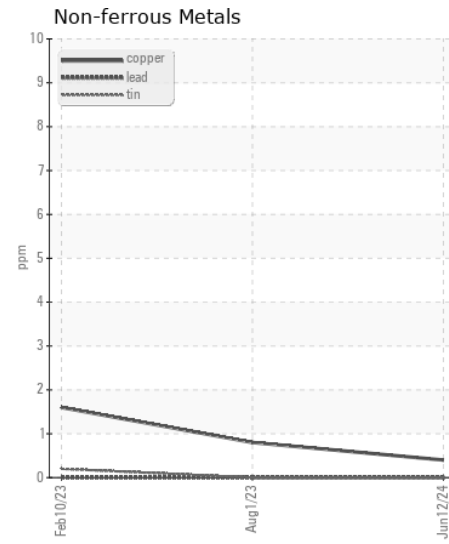
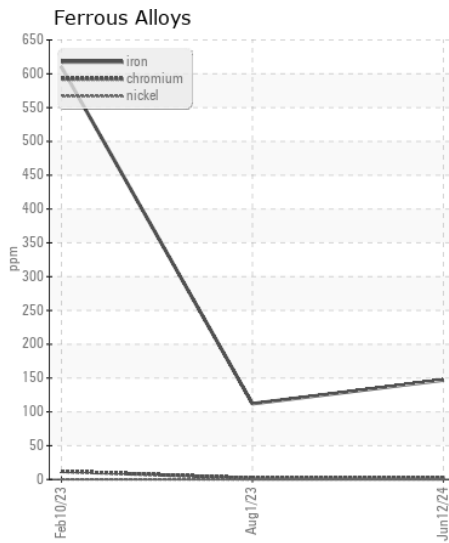
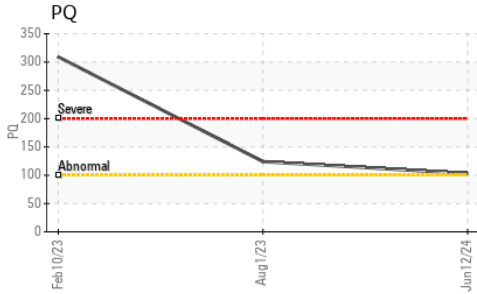
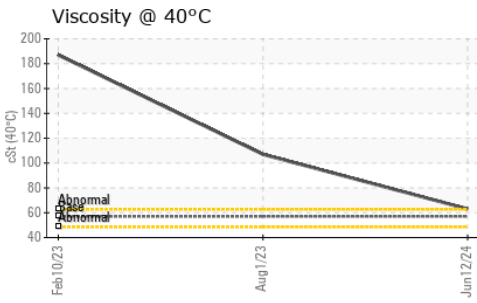
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>11</b>	9	41
Potassium	ppm	ASTM D5185m	>20	<b>2</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>	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

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>0</b>	<1	1
Boron	ppm	ASTM D5185m	6	<b>37</b>	139	70
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	6
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	1	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	2	12
Magnesium	ppm	ASTM D5185m	145	<b>82</b>	30	2
Calcium	ppm	ASTM D5185m	3570	<b>2714</b>	981	50
Phosphorus	ppm	ASTM D5185m	1290	<b>981</b>	941	486
Zinc	ppm	ASTM D5185m	1640	<b>998</b>	364	30
Sulfur	ppm	ASTM D5185m		<b>5668</b>	16289	16719
Visc @ 40°C	cSt	ASTM D445	57.0	<b>63.0</b>	107	187



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0051639 **Received** : 18 Jun 2024  
**Lab Number** : 06213763 **Tested** : 20 Jun 2024  
**Unique Number** : 11086627 **Diagnosed** : 20 Jun 2024 - Sean Felton  
**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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