



# OIL ANALYSIS REPORT

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



Area  
**Store 4 - Fairmont [RO#145877]**  
Machine Id  
**JOHN DEERE 672G 1DW672GXAKF701302**  
Component  
**Left Tandem**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (20 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0047027</b>	LEC0034118	LEC0012887
Sample Date		Client Info		<b>11 Jan 2024</b>	19 Aug 2022	03 Nov 2020
Machine Age	hrs	Client Info		<b>1209</b>	854	428
Oil Age	hrs	Client Info		<b>1209</b>	854	428
Filter Age	hrs	Client Info		<b>1209</b>	428	428
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	N/A	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>34</b>	30	35
Iron	ppm	ASTM D5185m	>250	<b>44</b>	38	29
Chromium	ppm	ASTM D5185m	>11	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>40	<b>&lt;1</b>	2	0
Lead	ppm	ASTM D5185m	>11	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>25	<b>2</b>	3	2
Tin	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
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

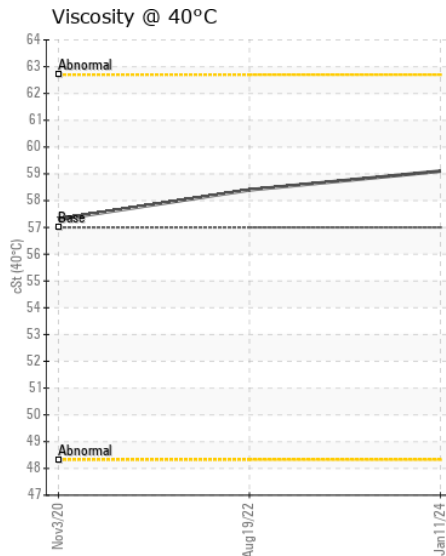
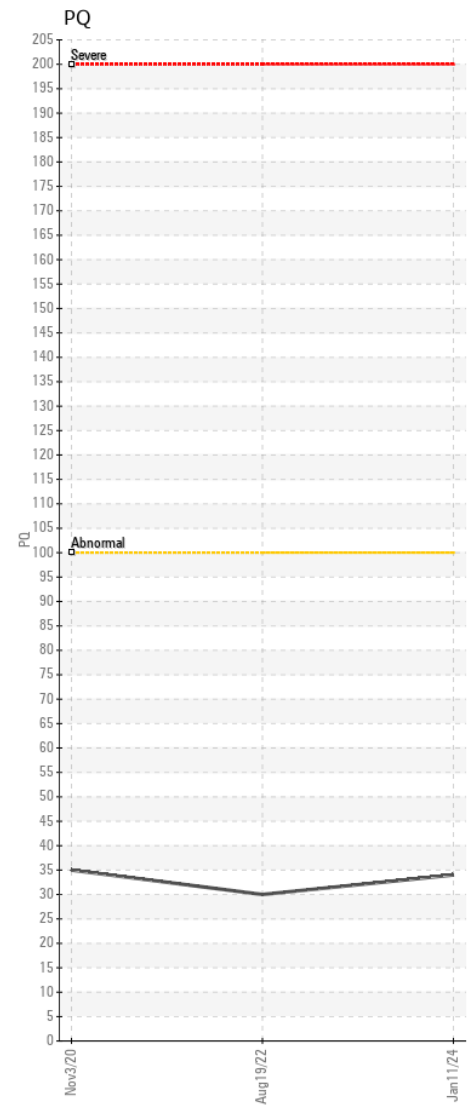
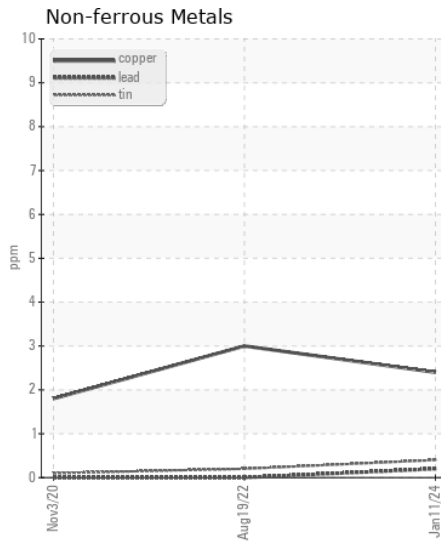
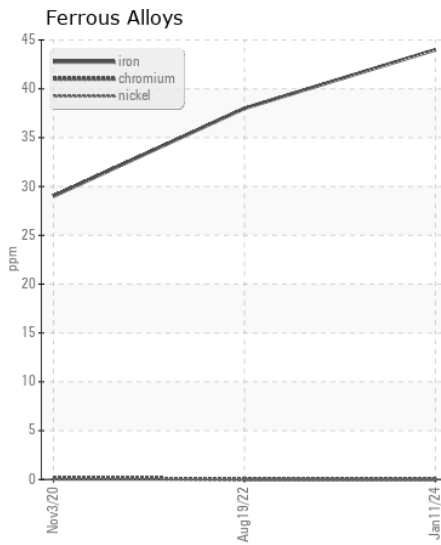
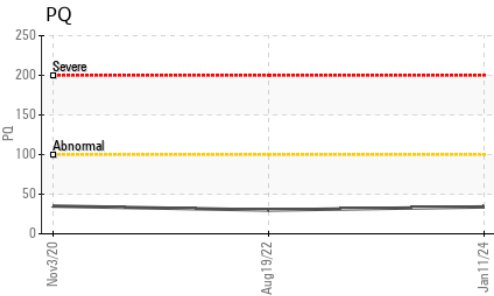
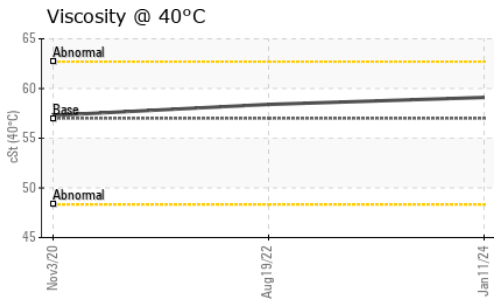
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	<b>7</b>	6	6
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	2
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	>21	<b>1</b>	0	0
Boron	ppm	ASTM D5185m	6	<b>0</b>	2	3
Barium	ppm	ASTM D5185m	0	<b>2</b>	0	5
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	145	<b>104</b>	86	98
Calcium	ppm	ASTM D5185m	3570	<b>3407</b>	3206	3437
Phosphorus	ppm	ASTM D5185m	1290	<b>1115</b>	957	1004
Zinc	ppm	ASTM D5185m	1640	<b>1283</b>	1131	1201
Sulfur	ppm	ASTM D5185m		<b>3524</b>	3395	2979
Visc @ 40°C	cSt	ASTM D445	57.0	<b>59.1</b>	58.4	57.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0047027 **Received** : 12 Jan 2024  
**Lab Number** : 06060447 **Diagnosed** : 16 Jan 2024  
**Unique Number** : 10831829 **Diagnostician** : Wes Davis  
**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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