



# OIL ANALYSIS REPORT

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



Area  
**Store 4 - Fairmont**  
Machine Id  
**JOHN DEERE 672G 1DW672GXAKF701302**  
Component  
**Hydraulic System**  
Fluid  
**JOHN DEERE HYDRAU XR (16 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0034139</b>	LEC0012137	LEC0012882
Sample Date		Client Info		<b>19 Aug 2022</b>	07 Nov 2020	03 Nov 2020
Machine Age	hrs	Client Info		<b>854</b>	433	428
Oil Age	hrs	Client Info		<b>854</b>	433	428
Filter Age	hrs	Client Info		<b>854</b>	433	428
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>12</b>	20	17
Iron	ppm	ASTM D5185m	>71	<b>5</b>	0	2
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>6	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>11	<b>1</b>	<1	<1
Lead	ppm	ASTM D5185m	>13	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>21	<b>10</b>	5	6
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

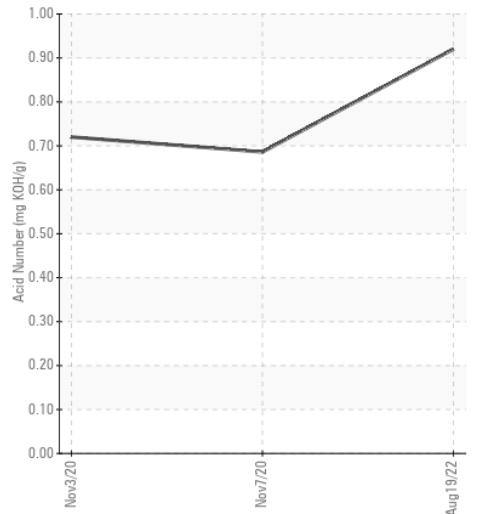
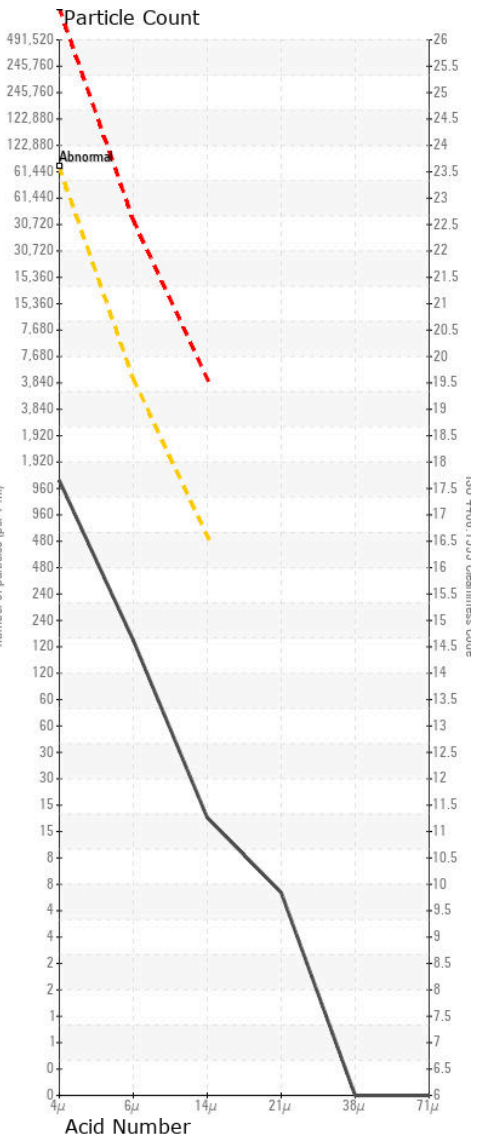
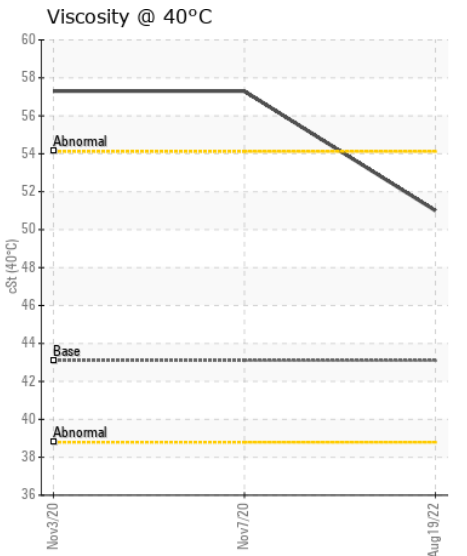
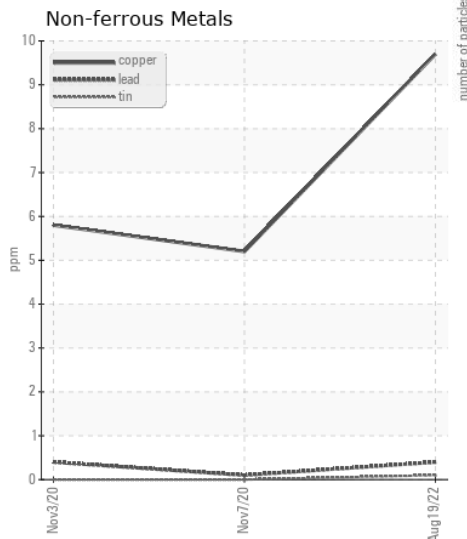
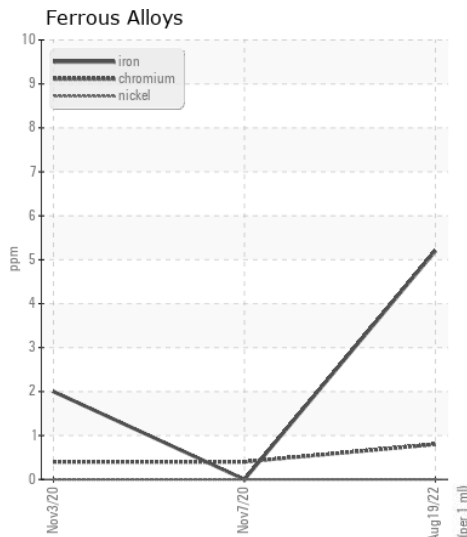
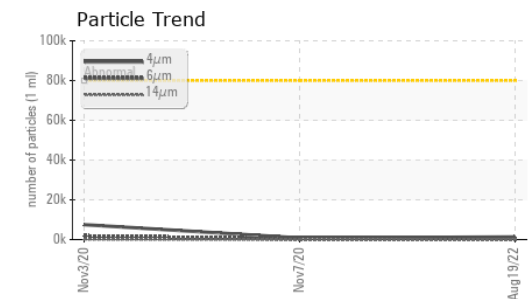
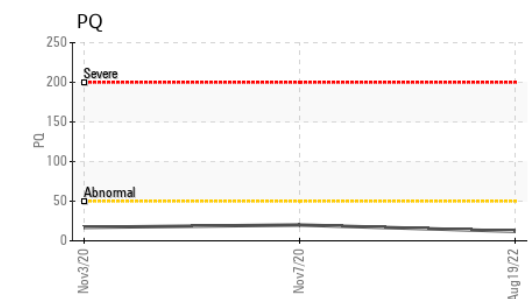
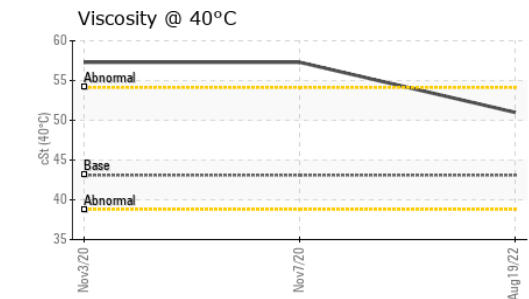
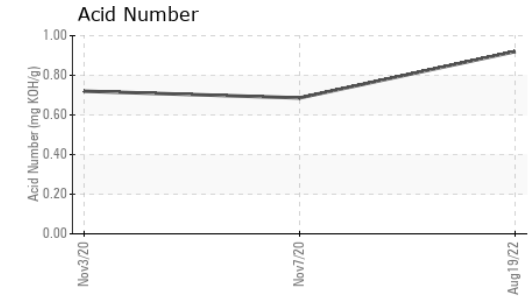
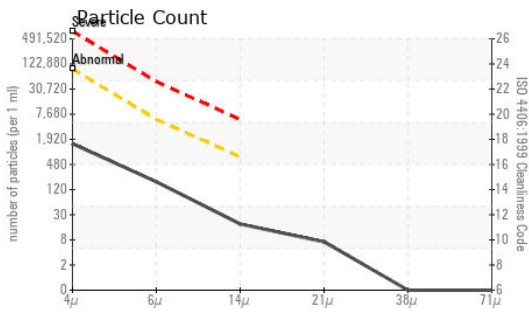
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>24	<b>3</b>	2	2
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	2
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>80000	<b>1320</b>	819	7509
Particles >6µm		ASTM D7647	>5000	<b>163</b>	207	1810
Particles >14µm		ASTM D7647	>640	<b>16</b>	16	107
Particles >21µm		ASTM D7647	>160	<b>6</b>	4	27
Particles >38µm		ASTM D7647	>40	<b>0</b>	0	1
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	<b>18/15/11</b>	17/15/11	20/18/14
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	>0.075	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>21	<b>2</b>	<1	2
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	2	2
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185m		<b>69</b>	70	72
Phosphorus	ppm	ASTM D5185m		<b>587</b>	518	556
Zinc	ppm	ASTM D5185m		<b>839</b>	811	799
Sulfur	ppm	ASTM D5185m		<b>1614</b>	1145	1359
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.92</b>	0.686	0.720
Visc @ 40°C	cSt	ASTM D445	43.1	<b>51.0</b>	57.3	57.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : LEC0034139 Recieved : 24 Aug 2022  
 Lab Number : 05626248 Diagnosed : 26 Aug 2022  
 Unique Number : 10110769 Diagnostician : Jonathan Hester  
 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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