



# OIL ANALYSIS REPORT

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

Area  
**{unassigned}**  
Machine Id  
**JOHN DEERE 35G 1FF035GXKKK287092**  
Component  
**Right Propel Gearbox**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (20 Oz)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0036635</b>	LEC0018663	LEC0012812
Sample Date		Client Info		<b>11 Nov 2022</b>	21 May 2021	29 Jul 2020
Machine Age	hrs	Client Info		<b>1442</b>	961	491
Oil Age	hrs	Client Info		<b>481</b>	470	491
Filter Age	hrs	Client Info		<b>0</b>	470	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>	ABNORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>148</b>	146	102
Iron	ppm	ASTM D5185m	>1250	<b>272</b>	170	178
Chromium	ppm	ASTM D5185m	>10	<b>4</b>	3	3
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	1	<1
Titanium	ppm	ASTM D5185m		<b>1</b>	2	2
Silver	ppm	ASTM D5185m		<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185m		<b>13</b>	▲ 31	7
Lead	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m		<b>2</b>	8	3
Tin	ppm	ASTM D5185m		<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>VLITE</b>	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

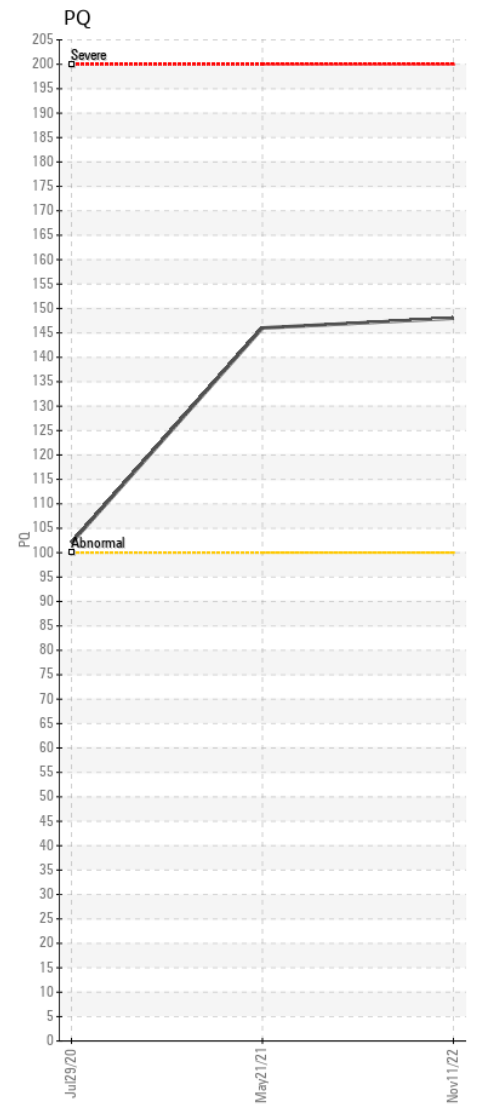
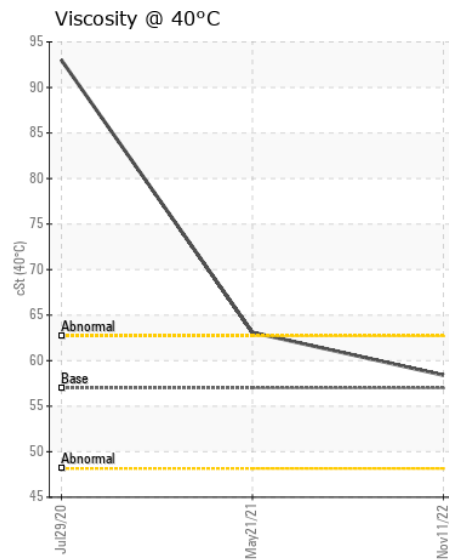
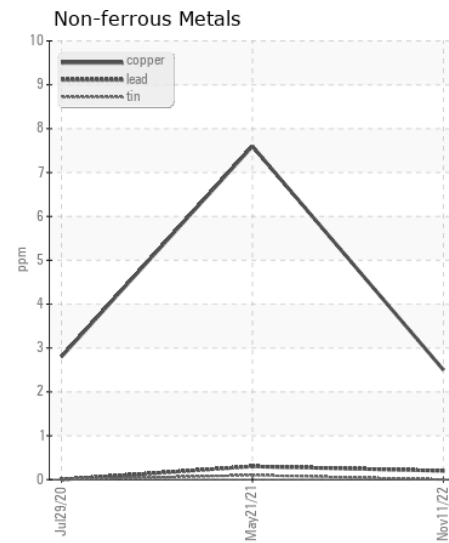
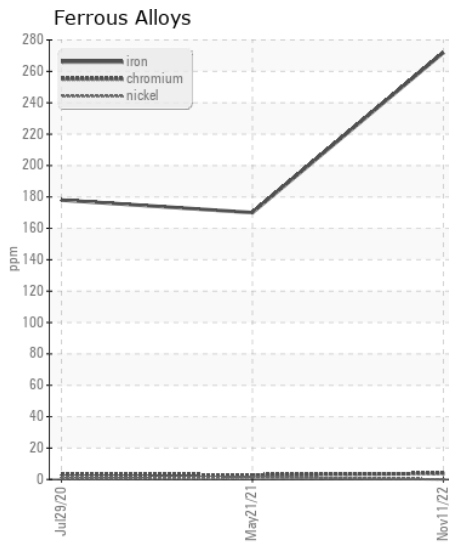
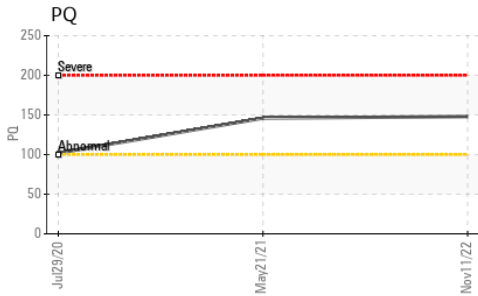
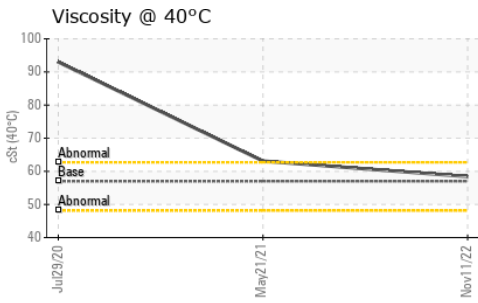
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>55</b>	▲ 81	27
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	10	5
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	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>2</b>	2	3
Boron	ppm	ASTM D5185m	6	<b>8</b>	19	16
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	4	21
Molybdenum	ppm	ASTM D5185m	0	<b>5</b>	14	15
Manganese	ppm	ASTM D5185m		<b>3</b>	2	3
Magnesium	ppm	ASTM D5185m	145	<b>112</b>	112	11
Calcium	ppm	ASTM D5185m	3570	<b>3511</b>	3462	4045
Phosphorus	ppm	ASTM D5185m	1290	<b>989</b>	926	621
Zinc	ppm	ASTM D5185m	1640	<b>1206</b>	1105	698
Sulfur	ppm	ASTM D5185m		<b>4195</b>	2900	1914
Visc @ 40°C	cSt	ASTM D445	57.0	<b>58.4</b>	63.1	93.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0036635 **Received** : 15 Nov 2022  
**Lab Number** : 05694267 **Tested** : 16 Nov 2022  
**Unique Number** : 10218840 **Diagnosed** : 16 Nov 2022 - 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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