



OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

ATTENTION  
SEVERE  
NORMAL

Area  
**Store 9 - Marietta [147805]**  
Machine Id  
**JOHN DEERE 210G 1FF210GXHKF527616**  
Component  
**Right Propel Gearbox**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (2 GAL)**

**RECOMMENDATION**

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

**WEAR**

All component wear rates are normal.

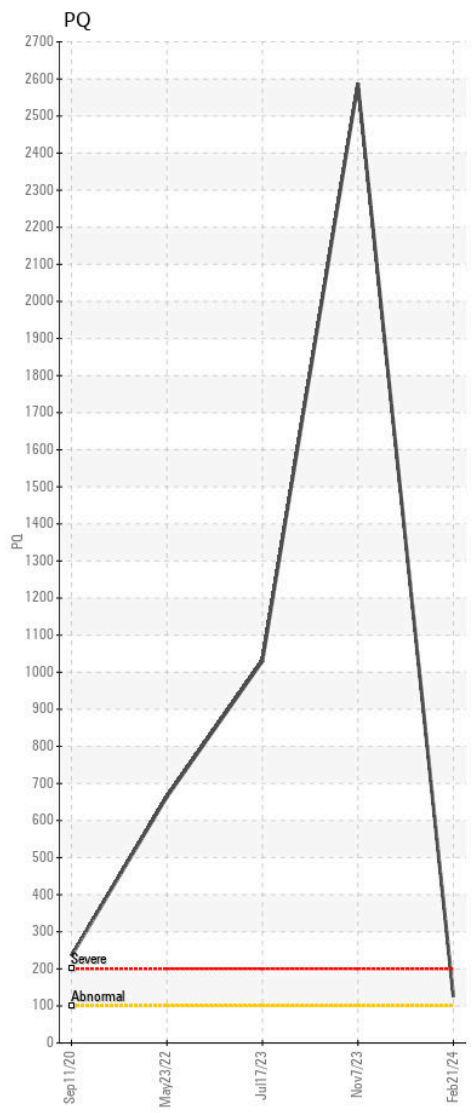
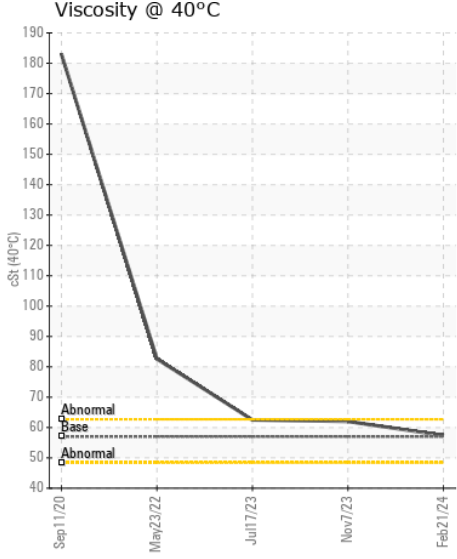
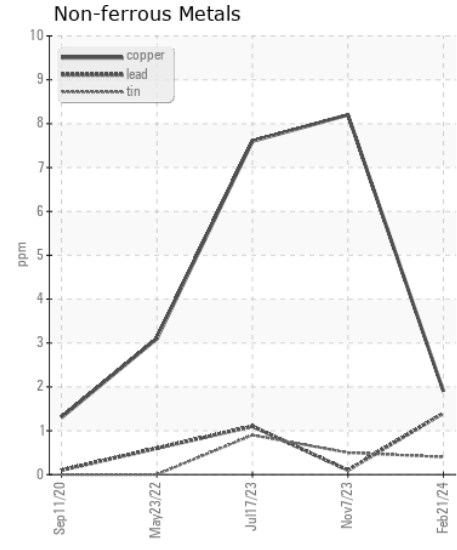
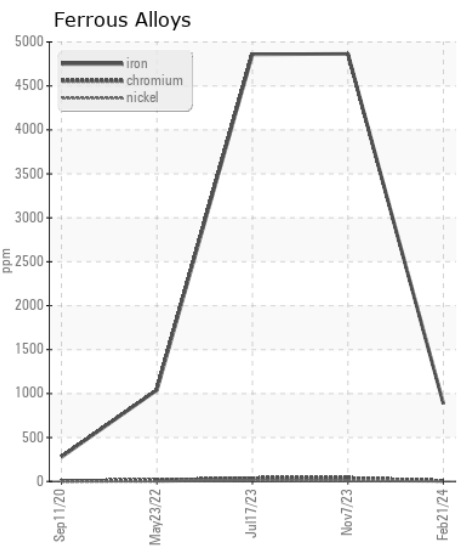
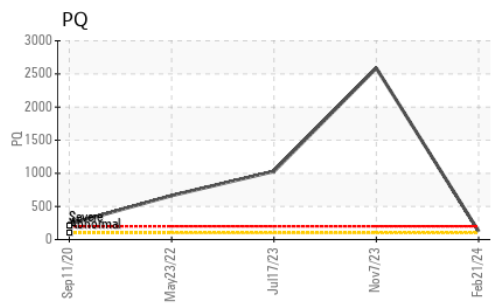
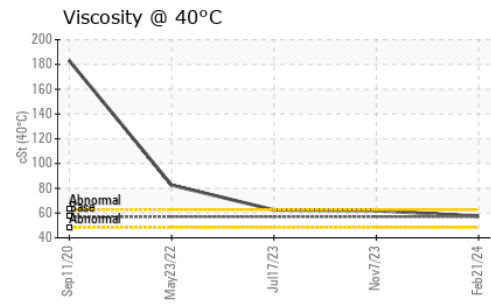
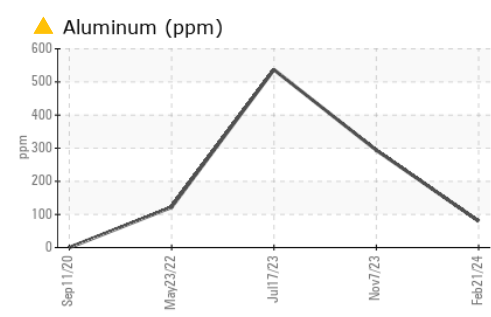
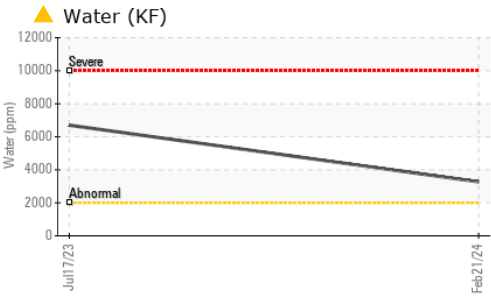
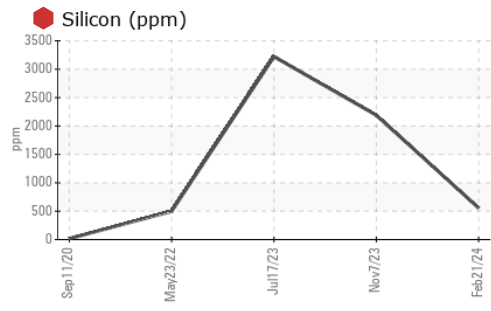
**CONTAMINATION**

There is a light concentration of water present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

**FLUID CONDITION**

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0046561</b>	LEC0042912	LEC0042018
Sample Date		Client Info		<b>21 Feb 2024</b>	07 Nov 2023	17 Jul 2023
Machine Age	hrs	Client Info		<b>2945</b>	2580	2199
Oil Age	hrs	Client Info		<b>365</b>	381	1247
Filter Age	hrs	Client Info		<b>0</b>	381	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>SEVERE</b>	SEVERE	SEVERE
PQ		ASTM D8184		<b>125</b>	2587	1030
Iron	ppm	ASTM D5185m	>1250	<b>885</b>	4864	4859
Chromium	ppm	ASTM D5185m	>10	<b>6</b>	39	37
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	5	12
Titanium	ppm	ASTM D5185m		<b>7</b>	40	59
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m		<b>80</b>	294	537
Lead	ppm	ASTM D5185m		<b>1</b>	<1	1
Copper	ppm	ASTM D5185m		<b>2</b>	8	8
Tin	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	2	3
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m		<b>557</b>	2189	3222
Potassium	ppm	ASTM D5185m	>20	<b>34</b>	113	237
Water	%	ASTM D6304	>0.2	<b>0.327</b>	---	0.670
ppm Water	ppm	ASTM D6304	>2000	<b>3270</b>	---	6700
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>0.2%</b>	NEG	0.2%
Sodium	ppm	ASTM D5185m		<b>7</b>	21	36
Boron	ppm	ASTM D5185m	6	<b>3</b>	4	20
Barium	ppm	ASTM D5185m	0	<b>0</b>	5	0
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	3	5
Manganese	ppm	ASTM D5185m		<b>8</b>	39	44
Magnesium	ppm	ASTM D5185m	145	<b>107</b>	109	137
Calcium	ppm	ASTM D5185m	3570	<b>3187</b>	2860	3032
Phosphorus	ppm	ASTM D5185m	1290	<b>1003</b>	910	922
Zinc	ppm	ASTM D5185m	1640	<b>1147</b>	1019	936
Sulfur	ppm	ASTM D5185m		<b>3467</b>	3364	6490
Visc @ 40°C	cSt	ASTM D445	57.0	<b>57.4</b>	62.0	62.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0046561  
**Lab Number** : 06099417  
**Unique Number** : 10897647  
**Test Package** : CONST ( Additional Tests: KF, PQ )

**Received** : 23 Feb 2024  
**Tested** : 27 Feb 2024  
**Diagnosed** : 27 Feb 2024 - Don Baldrige

**LESLIE EQUIPMENT COMPANY**  
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 US 45750-9765  
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 F: (740)373-5570

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)