



OIL ANALYSIS REPORT

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

Area  
**Store 8 - Pikeville [RO#152619]**  
Machine Id  
**JOHN DEERE 160G 1FF160GXAKF057758**  
Component  
**Swing Drive**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0051177</b>	LEC0042589	LEC0040611
Sample Date		Client Info		<b>27 Jun 2024</b>	12 Dec 2023	16 May 2023
Machine Age	hrs	Client Info		<b>3105</b>	2500	1890
Oil Age	hrs	Client Info		<b>1215</b>	610	1079
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		<b>29</b>	33	39
Iron	ppm	ASTM D5185m	>151	<b>42</b>	36	82
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>1</b>	1	4
Lead	ppm	ASTM D5185m	>51	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	0
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

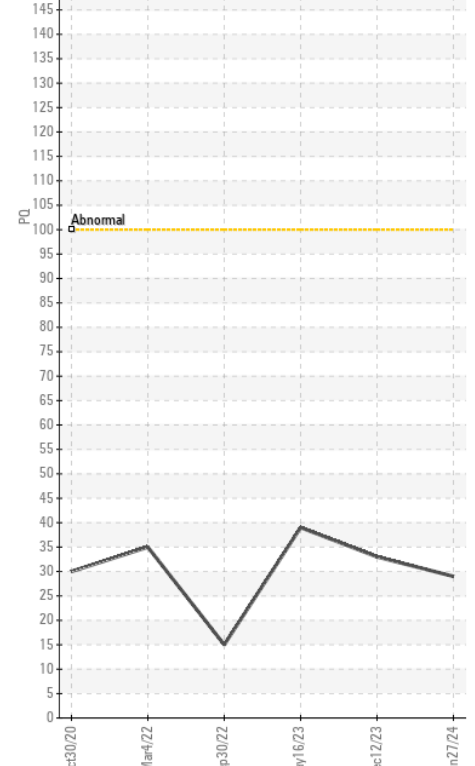
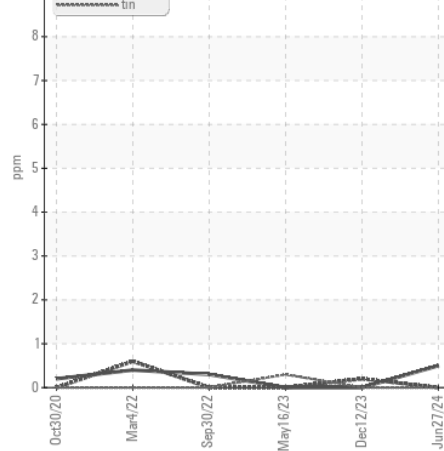
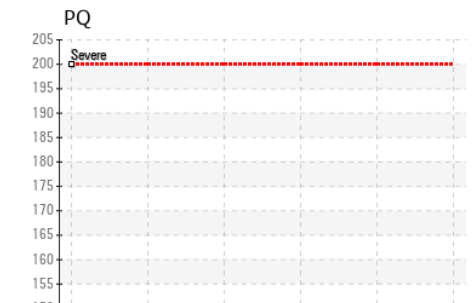
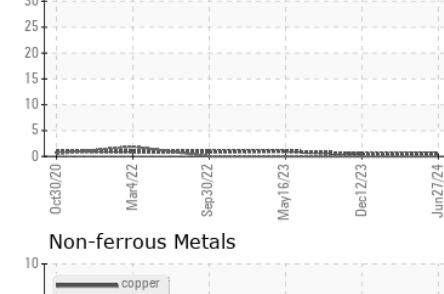
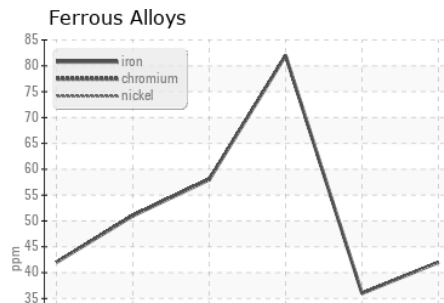
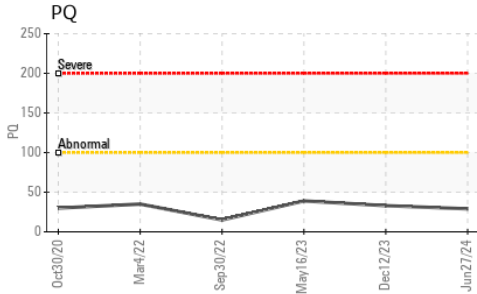
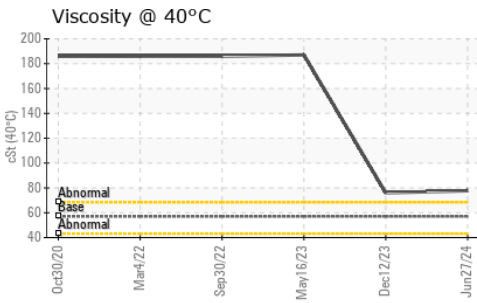
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>14</b>	14	30
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	3
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	>51	<b>3</b>	<1	2
Boron	ppm	ASTM D5185m	6	<b>33</b>	36	66
Barium	ppm	ASTM D5185m	0	<b>2</b>	0	4
Molybdenum	ppm	ASTM D5185m	0	<b>5</b>	2	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185m	145	<b>94</b>	96	3
Calcium	ppm	ASTM D5185m	3570	<b>2873</b>	2624	42
Phosphorus	ppm	ASTM D5185m	1290	<b>963</b>	936	536
Zinc	ppm	ASTM D5185m	1640	<b>987</b>	1006	15
Sulfur	ppm	ASTM D5185m		<b>6940</b>	6018	19043
Visc @ 40°C	cSt	ASTM D445	57.0	<b>77.7</b>	76.0	187



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0051177 **Received** : 05 Jul 2024  
**Lab Number** : 06228976 **Tested** : 08 Jul 2024  
**Unique Number** : 11112469 **Diagnosed** : 08 Jul 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.com

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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