



# OIL ANALYSIS REPORT

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

Area  
**Store 8 - Pikeville [RO#128389]**  
 Machine Id  
**JOHN DEERE 260E 1DW260ETHJF693225**  
 Component  
**Rear Axle**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (10 GAL)**

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0032348</b>	LEC0027925	LEC0023174
Sample Date		Client Info		<b>23 Jun 2022</b>	31 Jan 2022	09 Aug 2021
Machine Age	hrs	Client Info		<b>2608</b>	1963	864
Oil Age	hrs	Client Info		<b>645</b>	1435	990
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR

The copper level has decreased, but is still abnormal. All other component wear rates are normal.

PQ		ASTM D8184		<b>242</b>	239	231
Iron	ppm	ASTM D5185m	>1501	<b>749</b>	958	928
Chromium	ppm	ASTM D5185m	>11	<b>4</b>	4	4
Nickel	ppm	ASTM D5185m		<b>5</b>	5	7
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>6</b>	5	<1
Lead	ppm	ASTM D5185m	>51	<b>&lt;1</b>	3	<1
Copper	ppm	ASTM D5185m	>101	<b>▲ 160</b>	▲ 276	▲ 203
Tin	ppm	ASTM D5185m		<b>6</b>	10	7
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

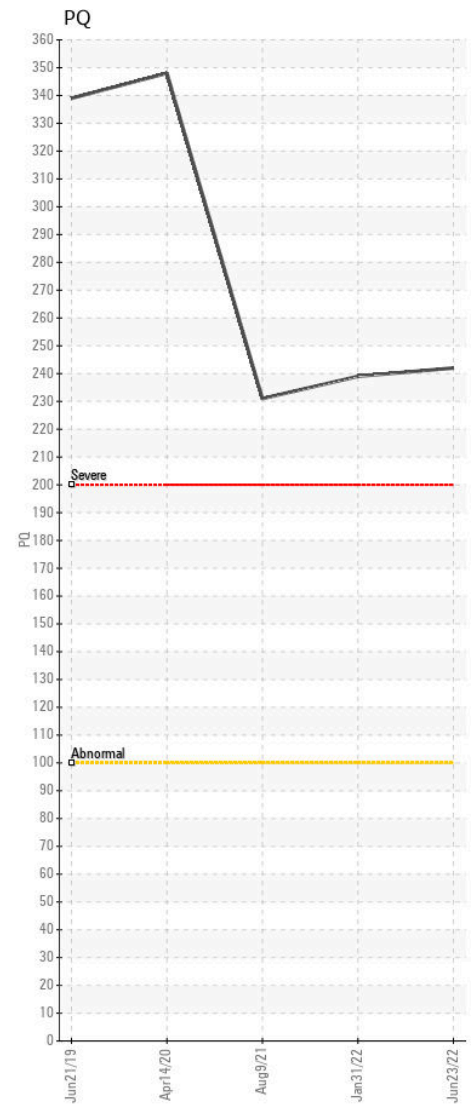
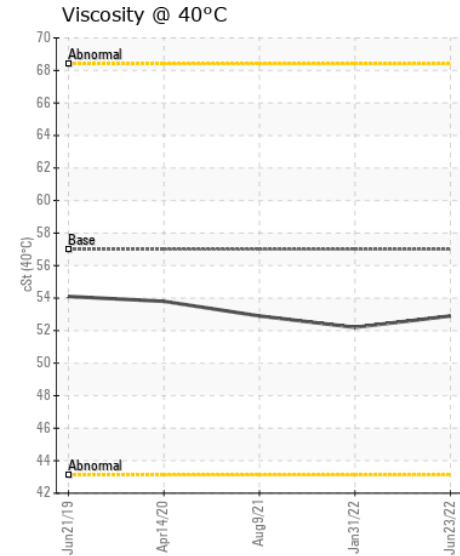
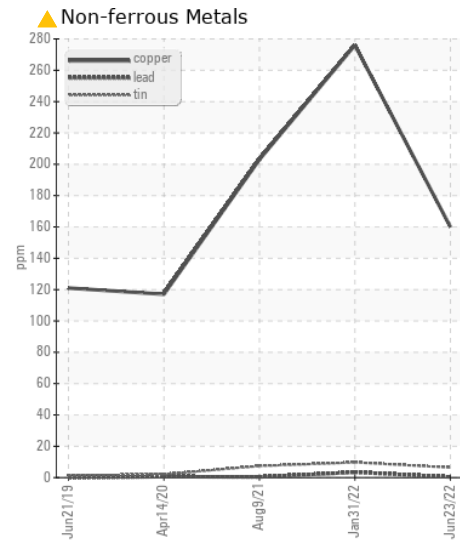
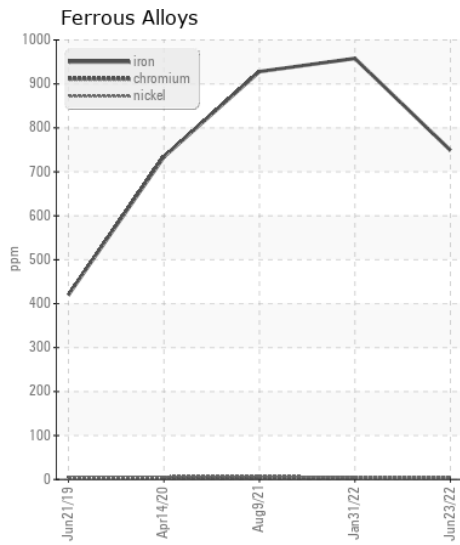
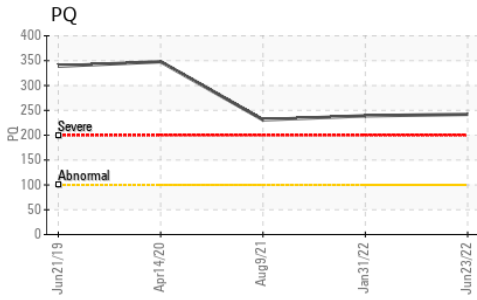
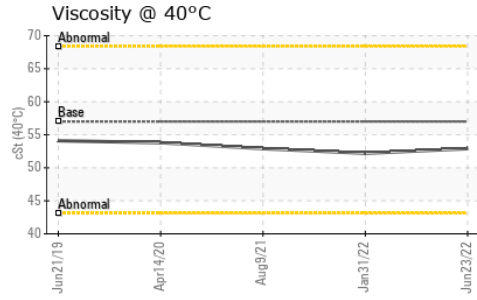
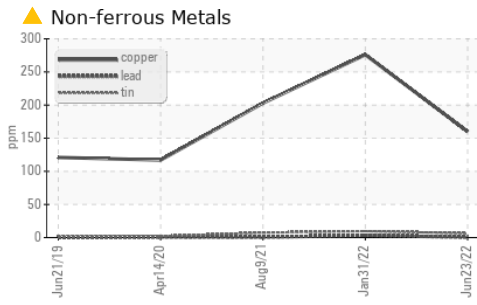
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>24</b>	21	22
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	1
Water		WC Method	>0.1	<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	>0.1	<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>4</b>	6	8
Boron	ppm	ASTM D5185m	6	<b>21</b>	36	42
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>8</b>	10	13
Manganese	ppm	ASTM D5185m		<b>17</b>	28	33
Magnesium	ppm	ASTM D5185m	145	<b>101</b>	97	92
Calcium	ppm	ASTM D5185m	3570	<b>3490</b>	3640	3522
Phosphorus	ppm	ASTM D5185m	1290	<b>1042</b>	1089	1076
Zinc	ppm	ASTM D5185m	1640	<b>1221</b>	1235	1244
Sulfur	ppm	ASTM D5185m		<b>3383</b>	3040	3188
Visc @ 40°C	cSt	ASTM D445	57.0	<b>52.9</b>	52.2	52.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0032348 **Received** : 27 Jun 2022  
**Lab Number** : 05577879 **Tested** : 28 Jun 2022  
**Unique Number** : 10032305 **Diagnosed** : 28 Jun 2022 - Don Baldrige  
**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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