



# OIL ANALYSIS REPORT

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

Area  
**Store 2 - Beaver**  
Machine Id  
**JOHN DEERE 260E 1DW260ETVLF704853**  
Component  
**Hydraulic System**  
Fluid  
**JOHN DEERE HYDRAU (30 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0043898</b>	LEC0039345	LEC0027827
Sample Date		Client Info		<b>11 Sep 2023</b>	06 Mar 2023	02 Mar 2022
Machine Age	hrs	Client Info		<b>2650</b>	2060	1537
Oil Age	hrs	Client Info		<b>2650</b>	2060	1537
Filter Age	hrs	Client Info		<b>590</b>	2060	1537
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Filter Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>14</b>	16	12
Iron	ppm	ASTM D5185m	>71	<b>11</b>	9	0
Chromium	ppm	ASTM D5185m	>11	<b>5</b>	4	3
Nickel	ppm	ASTM D5185m	>6	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>11	<b>0</b>	4	3
Lead	ppm	ASTM D5185m	>13	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>21	<b>3</b>	2	2
Tin	ppm	ASTM D5185m	>5	<b>0</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

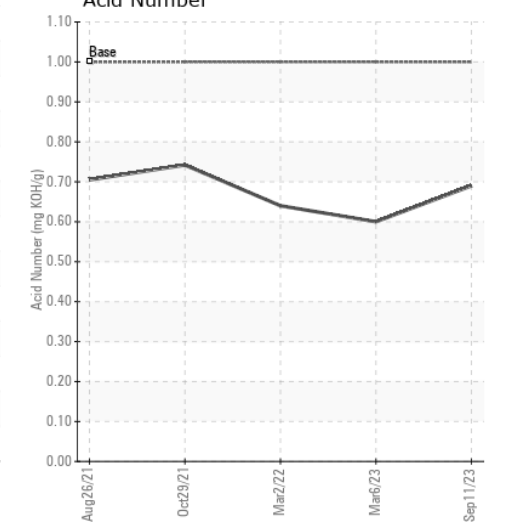
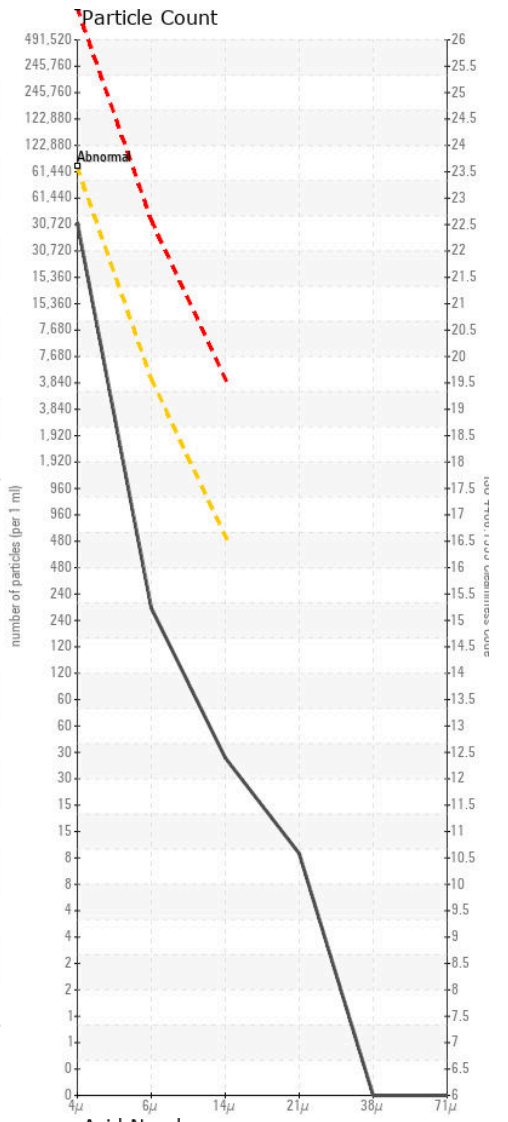
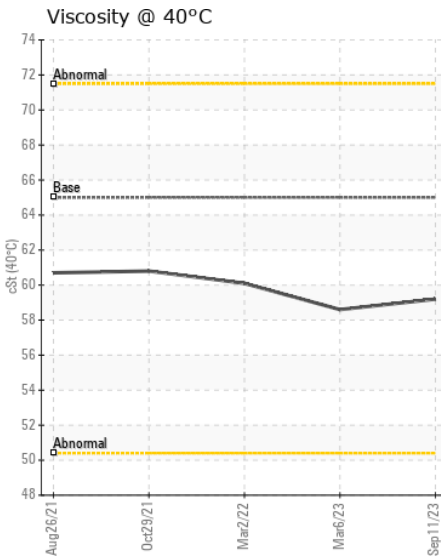
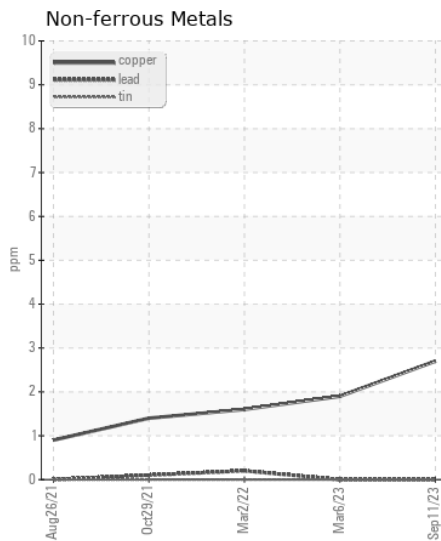
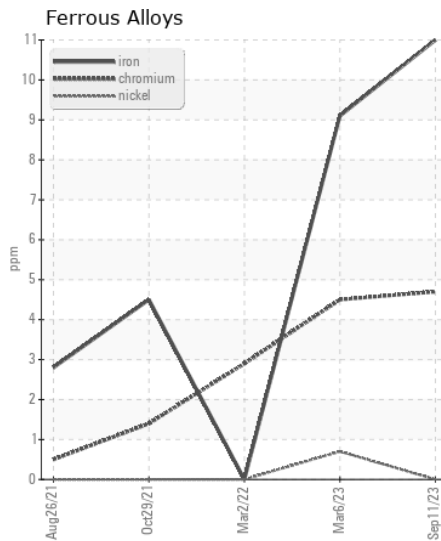
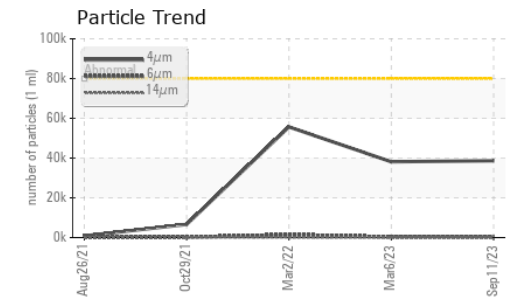
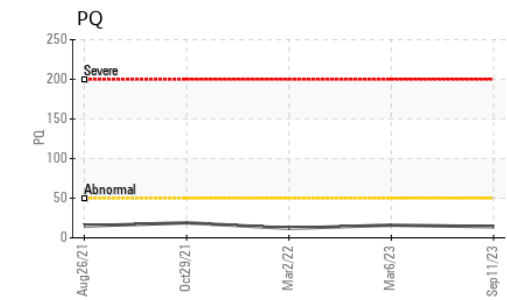
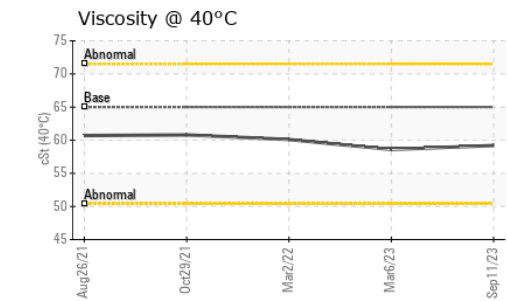
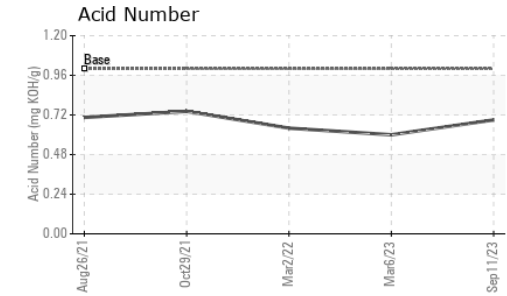
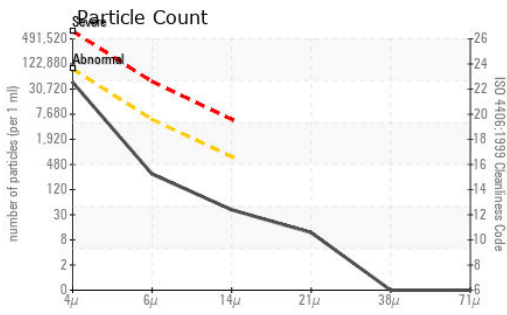
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>24	<b>7</b>	6	5
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	3
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>80000	<b>38660</b>	38127	55672
Particles >6µm		ASTM D7647	>5000	<b>249</b>	326	1488
Particles >14µm		ASTM D7647	>640	<b>35</b>	27	33
Particles >21µm		ASTM D7647	>160	<b>10</b>	7	6
Particles >38µm		ASTM D7647	>40	<b>0</b>	0	0
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	<b>22/15/12</b>	22/16/12	23/18/12
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>4</b>	1	0
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>3</b>	<1	2
Calcium	ppm	ASTM D5185m	87	<b>100</b>	96	90
Phosphorus	ppm	ASTM D5185m	727	<b>583</b>	583	597
Zinc	ppm	ASTM D5185m	900	<b>803</b>	819	824
Sulfur	ppm	ASTM D5185m	1500	<b>1771</b>	1599	1360
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.69</b>	0.60	0.64
Visc @ 40°C	cSt	ASTM D445	65	<b>59.2</b>	58.6	60.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0043898 **Received** : 20 Sep 2023  
**Lab Number** : 05956401 **Tested** : 21 Sep 2023  
**Unique Number** : 10657614 **Diagnosed** : 21 Sep 2023 - Wes Davis  
**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)

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

T:  
 F: (740)373-5570