



# OIL ANALYSIS REPORT

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



Area  
**Store 5 - Cross Lanes**  
Machine Id  
**JOHN DEERE 250GLC E-35 (S/N 1FF250GXHDE608984)**  
Component  
**Hydraulic System**  
Fluid  
**CONACO 46 (63 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LECP170386</b>	LECP176659	LECP173888
Sample Date		Client Info		<b>23 Aug 2018</b>	02 May 2018	15 Mar 2017
Machine Age	hrs	Client Info		<b>4964</b>	4515	3520
Oil Age	hrs	Client Info		<b>4964</b>	4515	3520
Filter Age	hrs	Client Info		<b>250</b>	500	412
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	ATTENTION	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>16</b>	19	12
Iron	ppm	ASTM D5185m	>32	<b>18</b>	14	9
Chromium	ppm	ASTM D5185m	>9	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>9	<b>2</b>	2	<1
Lead	ppm	ASTM D5185m	>28	<b>&lt;1</b>	1	2
Copper	ppm	ASTM D5185m	>50	<b>2</b>	3	1
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	2
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

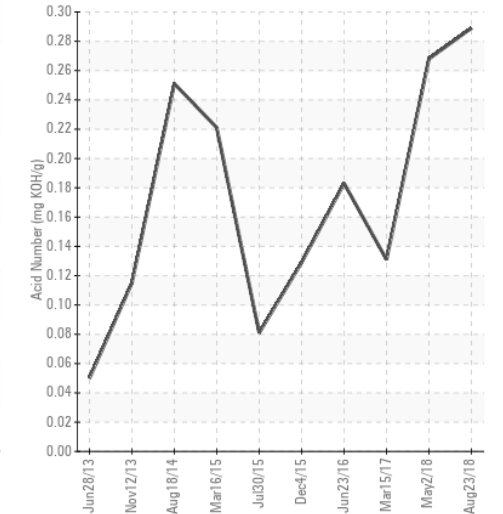
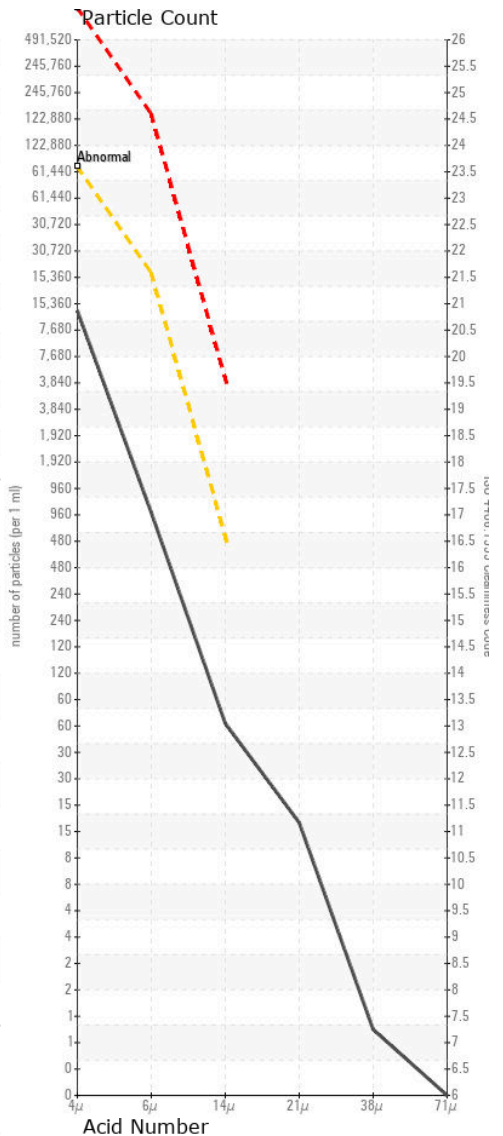
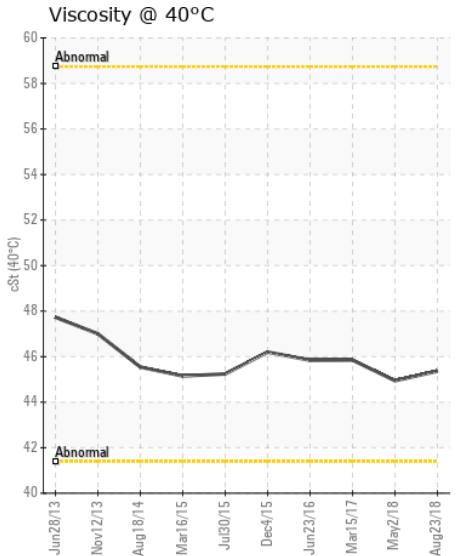
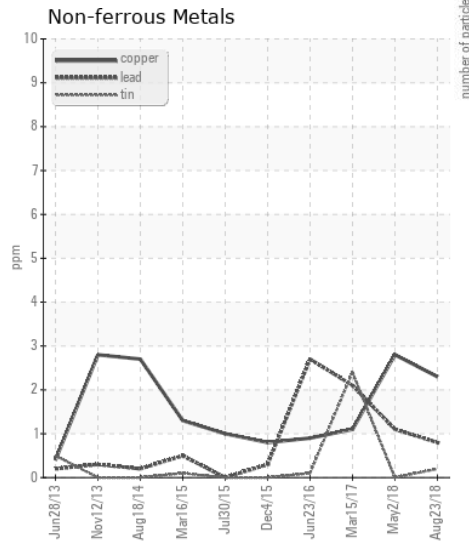
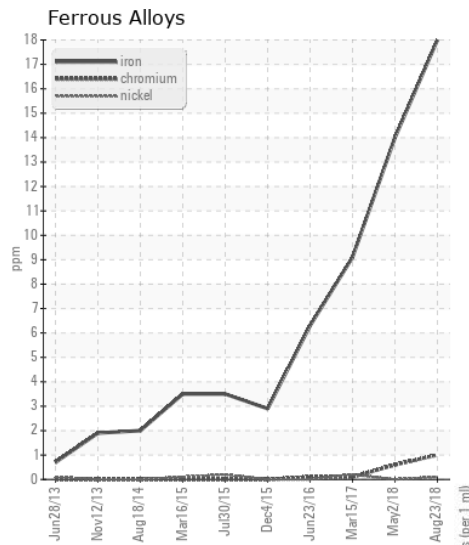
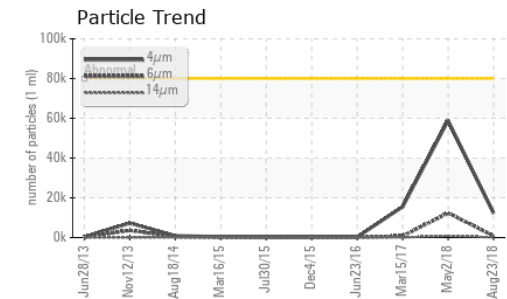
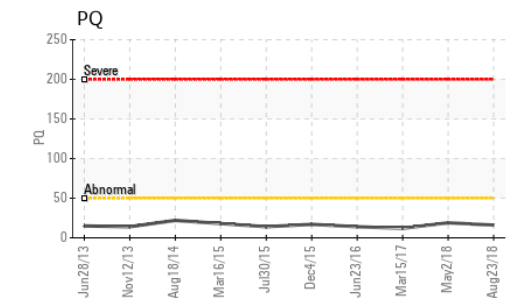
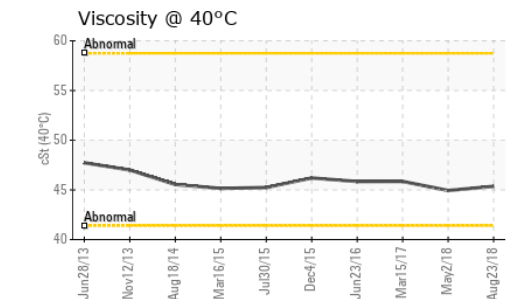
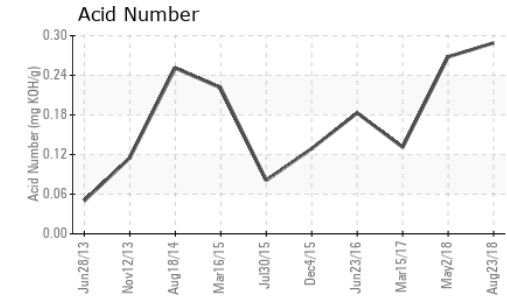
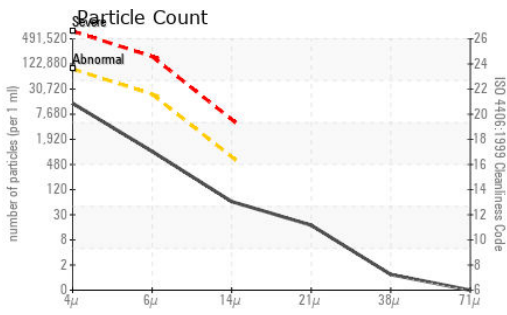
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>11	<b>3</b>	3	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	2
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>80000	<b>12189</b>	58864	15513
Particles >6µm		ASTM D7647	>20000	<b>867</b>	12332	730
Particles >14µm		ASTM D7647	>640	<b>55</b>	862	34
Particles >21µm		ASTM D7647	>160	<b>15</b>	253	13
Particles >38µm		ASTM D7647	>40	<b>1</b>	24	8
Particles >71µm		ASTM D7647	>10	<b>0</b>	3	7
Oil Cleanliness		ISO 4406 (c)	>23/21/16	<b>21/17/13</b>	23/21/17	21/17/12
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	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>&lt;1</b>	<1	0
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	0	2
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	1	2
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	0	6
Calcium	ppm	ASTM D5185m		<b>5</b>	6	16
Phosphorus	ppm	ASTM D5185m		<b>325</b>	345	365
Zinc	ppm	ASTM D5185m		<b>56</b>	50	39
Sulfur	ppm	ASTM D5185m		<b>285</b>	291	105
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.289</b>	0.268	0.131
Visc @ 40°C	cSt	ASTM D445		<b>45.36</b>	44.94	45.85



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC170386 **Received** : 28 Sep 2018  
**Lab Number** : 04561314 **Tested** : 01 Oct 2018  
**Unique Number** : 8345172 **Diagnosed** : 01 Oct 2018 - Wes Davis  
**Test Package** : MOB 2 ( 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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