



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**Store 4 - Fairmont**  
 Machine Id  
**JLG G12-55A 0160058541**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (65 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LECP152575</b>	LECP154337	---
Sample Date		Client Info		<b>27 Aug 2015</b>	13 Apr 2015	---
Machine Age	hrs	Client Info		<b>1623</b>	1236	---
Oil Age	hrs	Client Info		<b>1623</b>	1236	---
Filter Age	hrs	Client Info		<b>1623</b>	1236	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>Changed</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		<b>17.0</b>	19.0	---
Iron	ppm	ASTM D5185m	>20	<b>4</b>	3	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>75	<b>3</b>	2	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

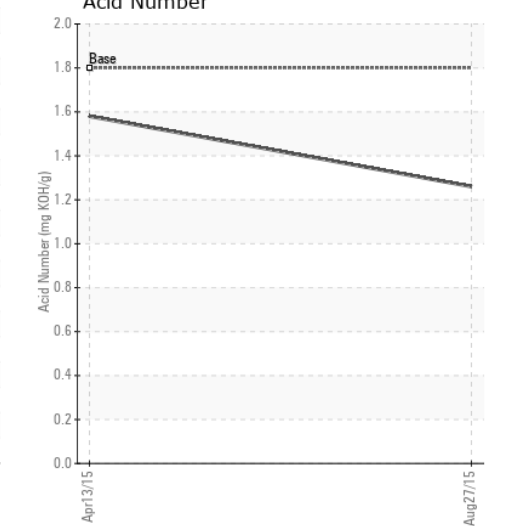
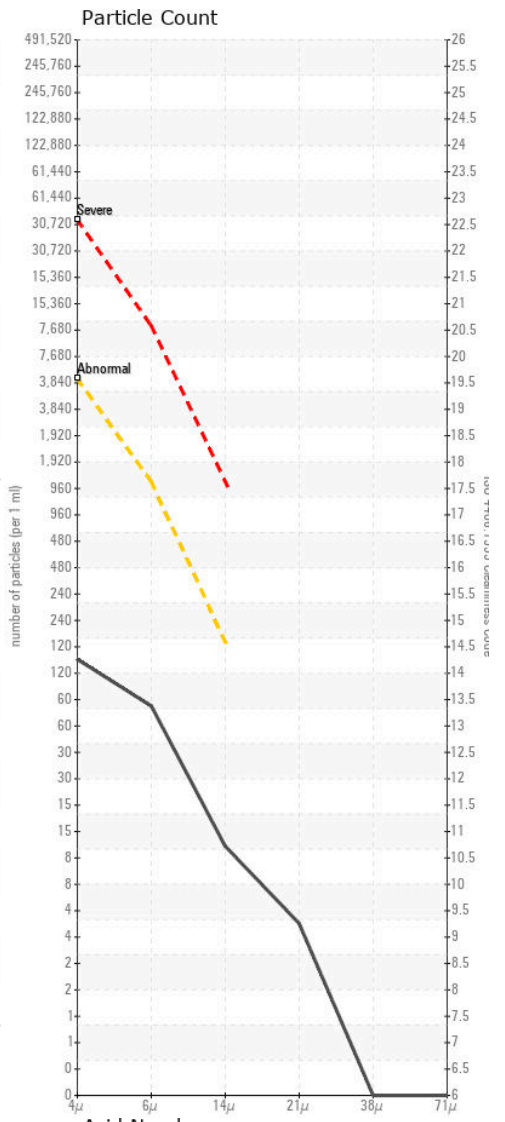
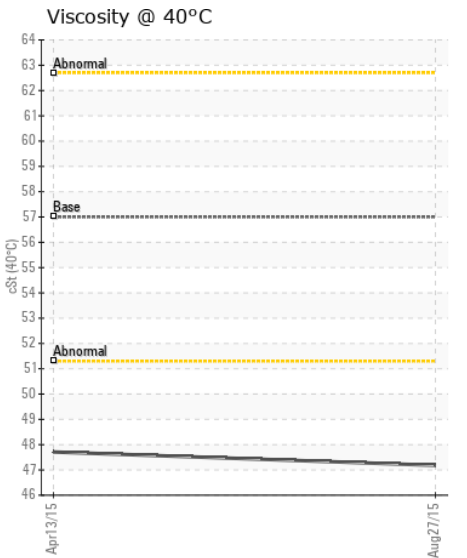
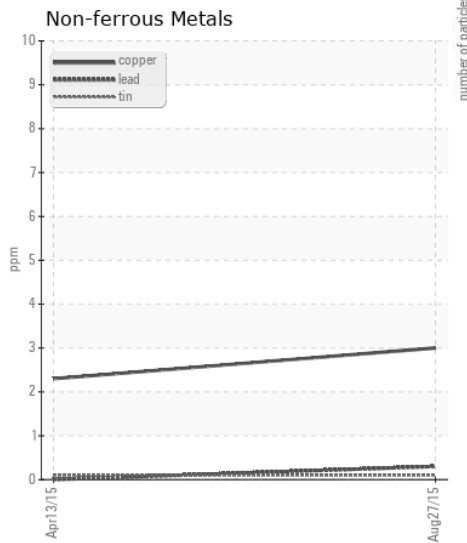
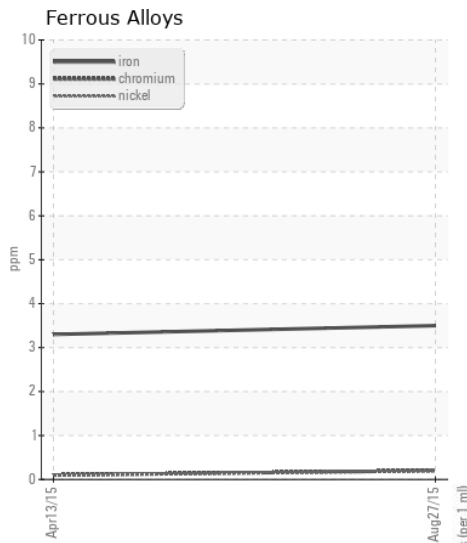
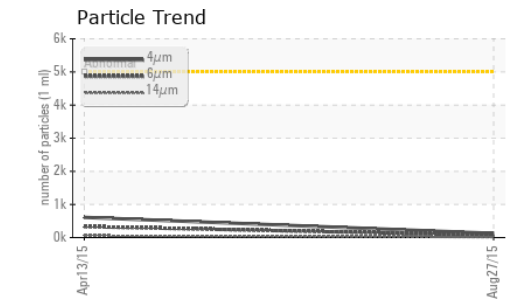
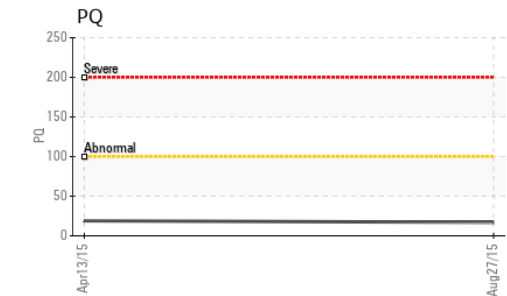
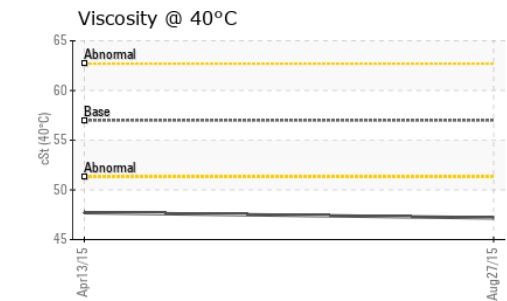
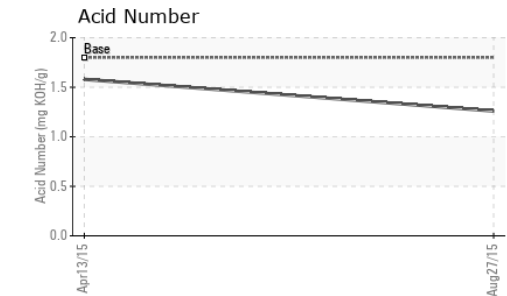
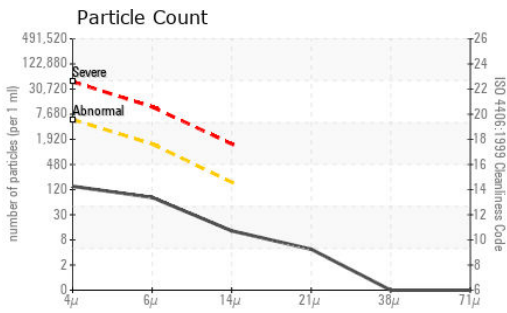
The amount and size of particulates present in the system is acceptable. There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>20	<b>10</b>	11	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>5000	<b>127</b>	610	---
Particles >6µm		ASTM D7647	>1300	<b>69</b>	332	---
Particles >14µm		ASTM D7647	>160	<b>11</b>	56	---
Particles >21µm		ASTM D7647	>40	<b>4</b>	19	---
Particles >38µm		ASTM D7647	>10	<b>0</b>	2	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>14/13/11</b>	16/16/13	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>VLITE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	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		<b>1</b>	2	---
Boron	ppm	ASTM D5185m	6	<b>80</b>	92	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	2	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	145	<b>11</b>	9	---
Calcium	ppm	ASTM D5185m	3570	<b>2964</b>	3350	---
Phosphorus	ppm	ASTM D5185m	1290	<b>975</b>	1094	---
Zinc	ppm	ASTM D5185m	1640	<b>1190</b>	1323	---
Sulfur	ppm	ASTM D5185m		<b>9839</b>	11359	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	<b>1.26</b>	1.58	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>47.18</b>	47.71	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LECP152575 **Received** : 01 Sep 2015  
**Lab Number** : 03814856 **Tested** : 02 Sep 2015  
**Unique Number** : 7122897 **Diagnosed** : 02 Sep 2015 - Don Baldrige  
**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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