



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	MARGINAL

Area
Store 4 - Fairmont
Machine Id
JLG G12-55A 0160058541
Component
Front Axle
Fluid
JOHN DEERE GL-5 80W90 (16 QTS)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LECP152579	LECP154339	---
Sample Date		Client Info		24 Aug 2015	13 Apr 2015	---
Machine Age	hrs	Client Info		1623	1236	---
Oil Age	hrs	Client Info		1623	1236	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Not Changd	N/A	---
Sample Status				MARGINAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		67.0	581	---
Iron	ppm	ASTM D5185m	>500	216	639	---
Chromium	ppm	ASTM D5185m	>10	<1	10	---
Nickel	ppm	ASTM D5185m		<1	1	---
Titanium	ppm	ASTM D5185m		0	9	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	<1	137	---
Lead	ppm	ASTM D5185m	>25	<1	<1	---
Copper	ppm	ASTM D5185m	>50	3	<1	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	MODER	HEAVY	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

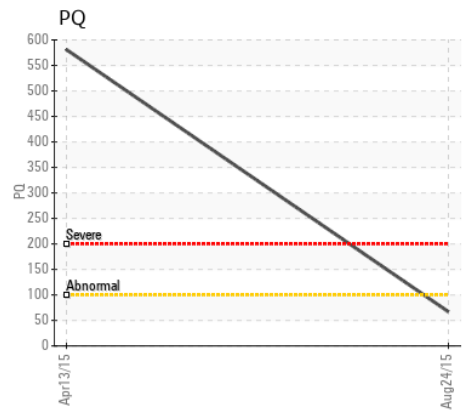
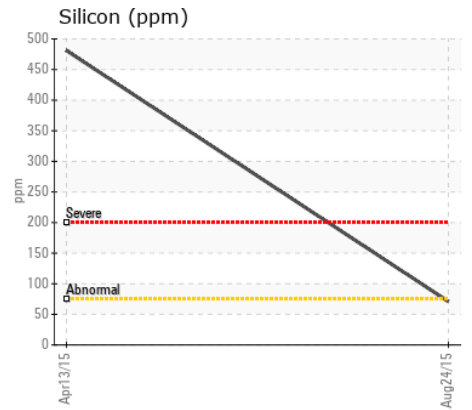
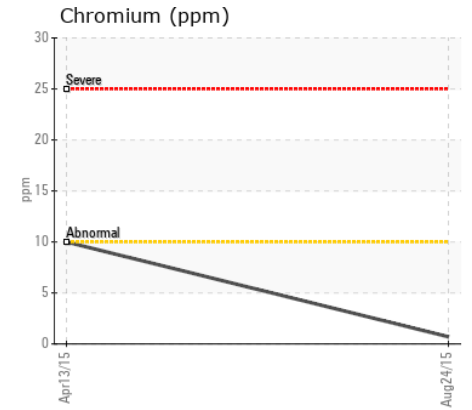
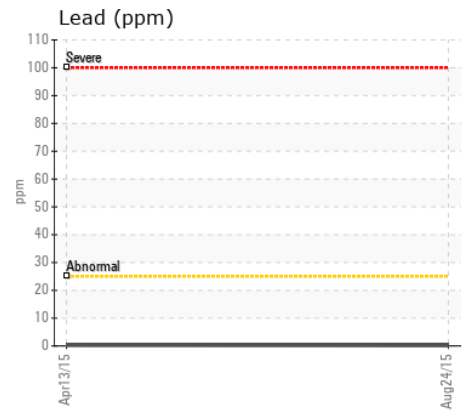
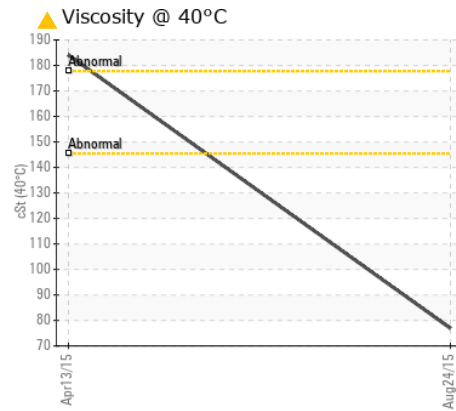
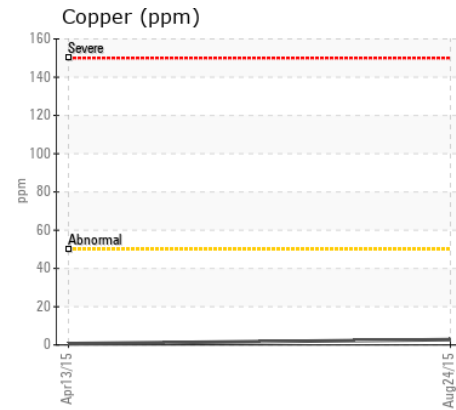
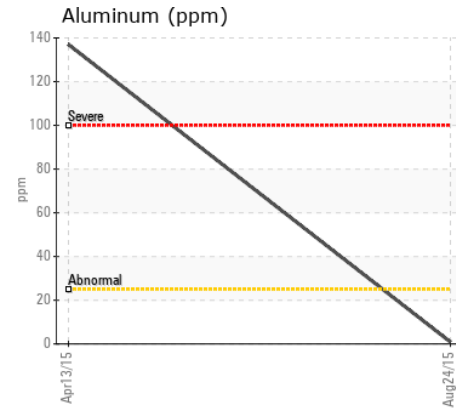
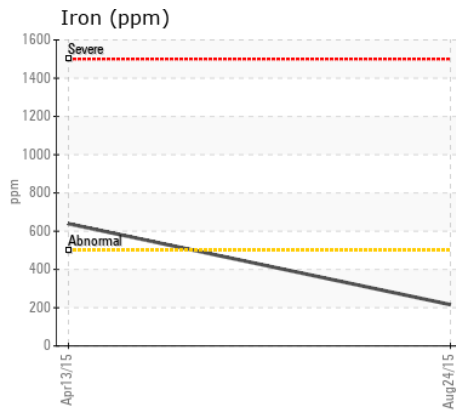
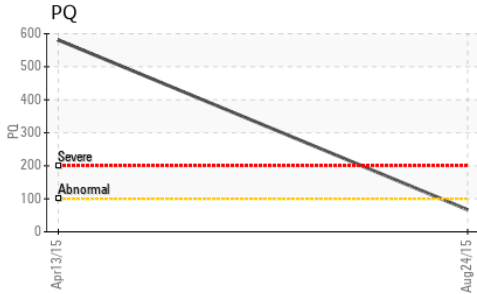
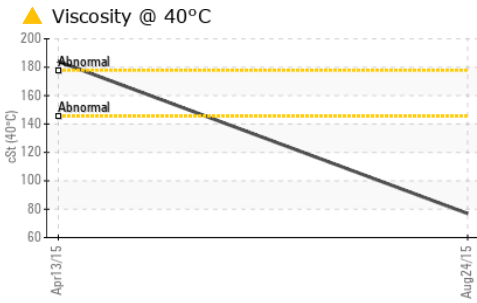
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>75	71	481	---
Potassium	ppm	ASTM D5185m	>20	<1	34	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		5	6	---
Boron	ppm	ASTM D5185m		81	59	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		10	0	---
Manganese	ppm	ASTM D5185m		10	11	---
Magnesium	ppm	ASTM D5185m		<1	3	---
Calcium	ppm	ASTM D5185m		689	26	---
Phosphorus	ppm	ASTM D5185m		633	488	---
Zinc	ppm	ASTM D5185m		1239	6	---
Sulfur	ppm	ASTM D5185m		7090	18767	---
Visc @ 40°C	cSt	ASTM D445		76.92	184.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC152579 **Received** : 01 Sep 2015
Lab Number : 03814926 **Tested** : 02 Sep 2015
Unique Number : 7122967 **Diagnosed** : 02 Sep 2015 - Don Baldrige
Test Package : MOB 1 (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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