



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area
Store 3 - Norton
Machine Id
JOHN DEERE 250GLC 1FF250GXAE609325
Component
Right Propel Gearbox
Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a moderate concentration of water present in the oil.

FLUID CONDITION

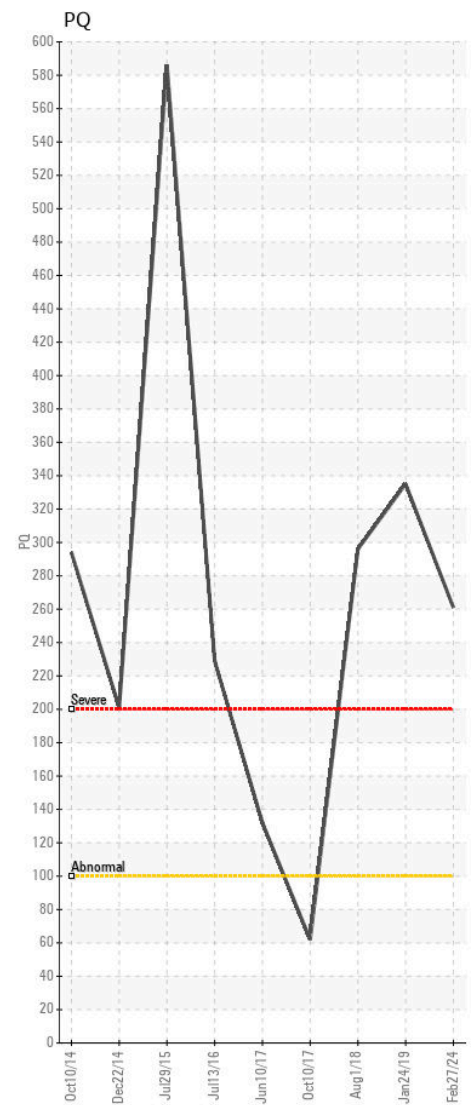
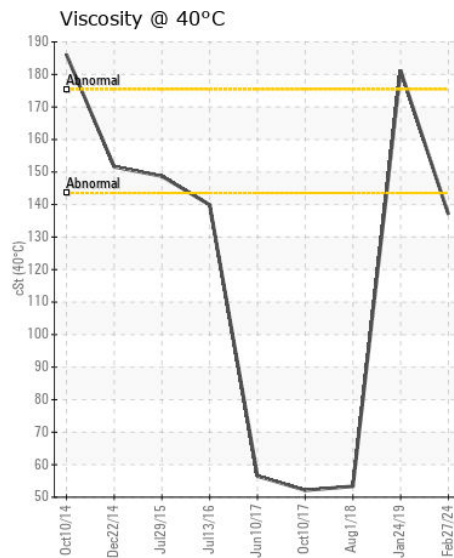
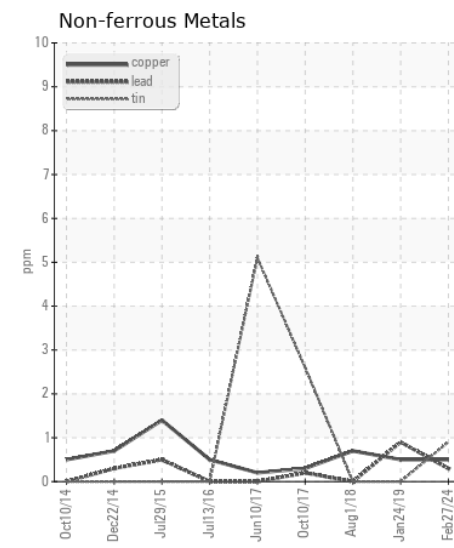
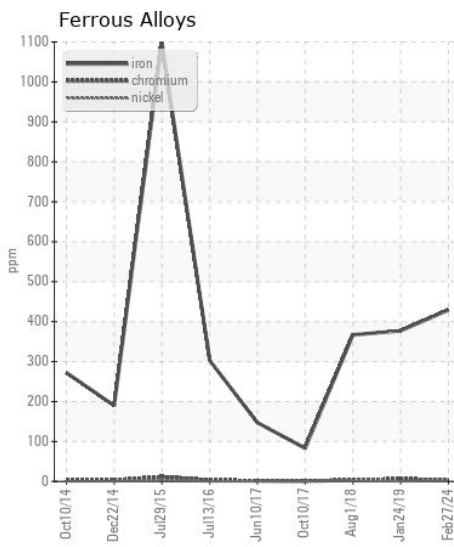
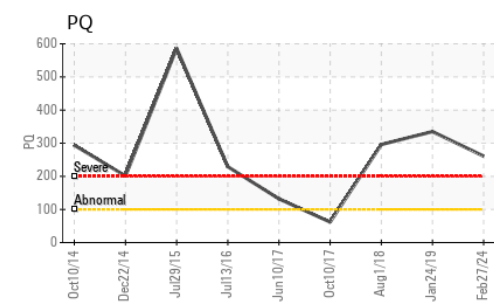
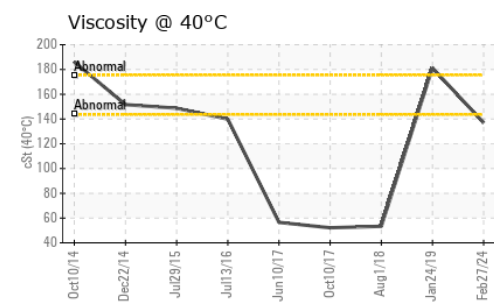
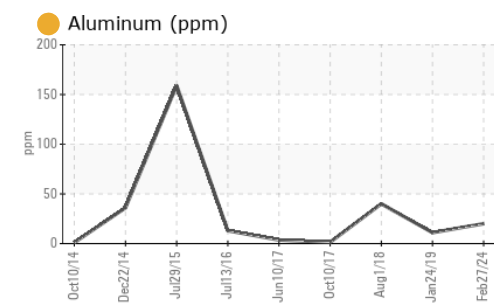
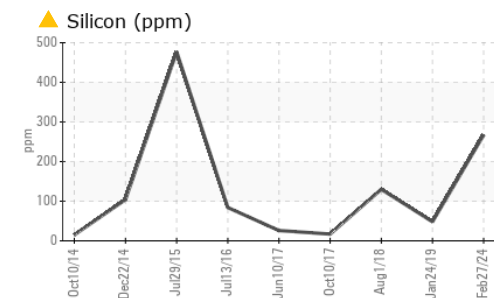
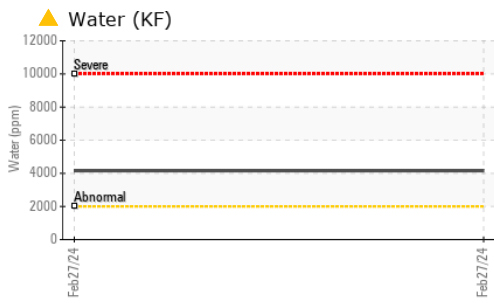
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0046319	LEC0000044	LECP188153
Sample Date		Client Info		27 Feb 2024	24 Jan 2019	01 Aug 2018
Machine Age	hrs	Client Info		3980	3980	3427
Oil Age	hrs	Client Info		1	553	1427
Filter Age	hrs	Client Info		0	553	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL

PQ		ASTM D8184		261	335	296
Iron	ppm	ASTM D5185m	>1250	429	377	367
Chromium	ppm	ASTM D5185m	>10	3	6	3
Nickel	ppm	ASTM D5185m	>10	<1	<1	1
Titanium	ppm	ASTM D5185m		3	<1	3
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		20	11	40
Lead	ppm	ASTM D5185m		<1	<1	0
Copper	ppm	ASTM D5185m		<1	<1	<1
Tin	ppm	ASTM D5185m		<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m		267	48	130
Potassium	ppm	ASTM D5185m	>20	6	<1	10
Water	%	ASTM D6304	>0.2	0.416	---	---
ppm Water	ppm	ASTM D6304	>2000	4160	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	0.2%	NEG	NEG

Sodium	ppm	ASTM D5185m		<1	1	2
Boron	ppm	ASTM D5185m		13	44	7
Barium	ppm	ASTM D5185m		0	5	<1
Molybdenum	ppm	ASTM D5185m		7	0	<1
Manganese	ppm	ASTM D5185m		3	7	3
Magnesium	ppm	ASTM D5185m		15	1	32
Calcium	ppm	ASTM D5185m		238	6	3076
Phosphorus	ppm	ASTM D5185m		397	403	1003
Zinc	ppm	ASTM D5185m		170	26	1215
Sulfur	ppm	ASTM D5185m		19547	12386	3227
Visc @ 40°C	cSt	ASTM D445		137	181.2	53.34



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0046319 **Received** : 29 Feb 2024
Lab Number : 06104534 **Tested** : 05 Mar 2024
Unique Number : 10902764 **Diagnosed** : 05 Mar 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: KF, 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)

T:
 F: (740)373-5570