



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

MARGINAL
ABNORMAL
NORMAL



Area
[136372]
Machine Id
JOHN DEERE 250GLC 1FF250GXLNF611863
Component
Right Propel Gearbox
Fluid
JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. 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.

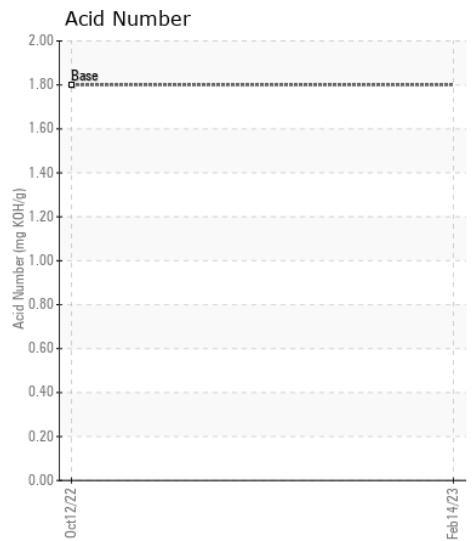
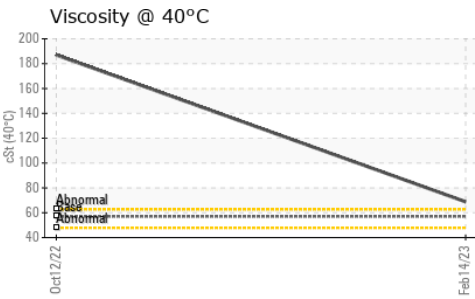
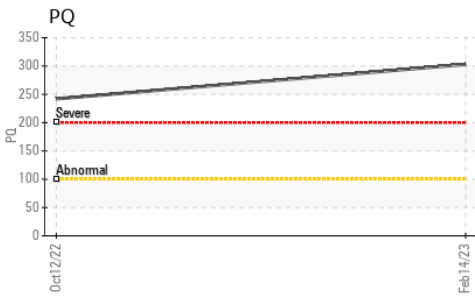
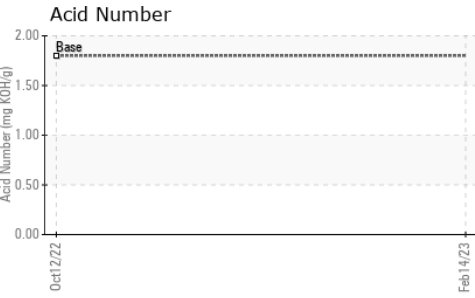
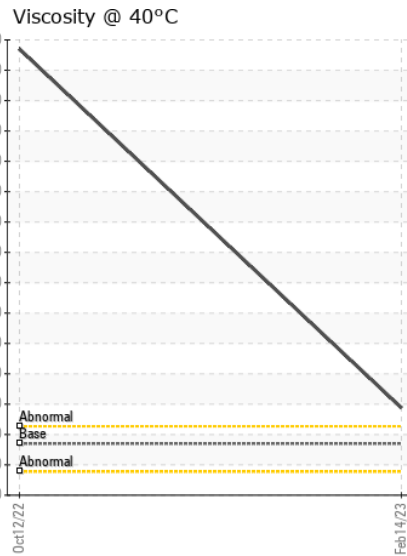
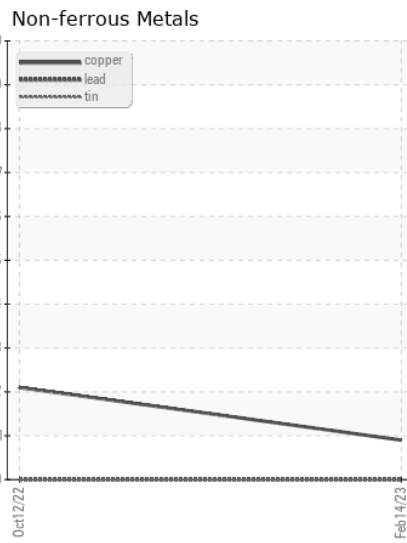
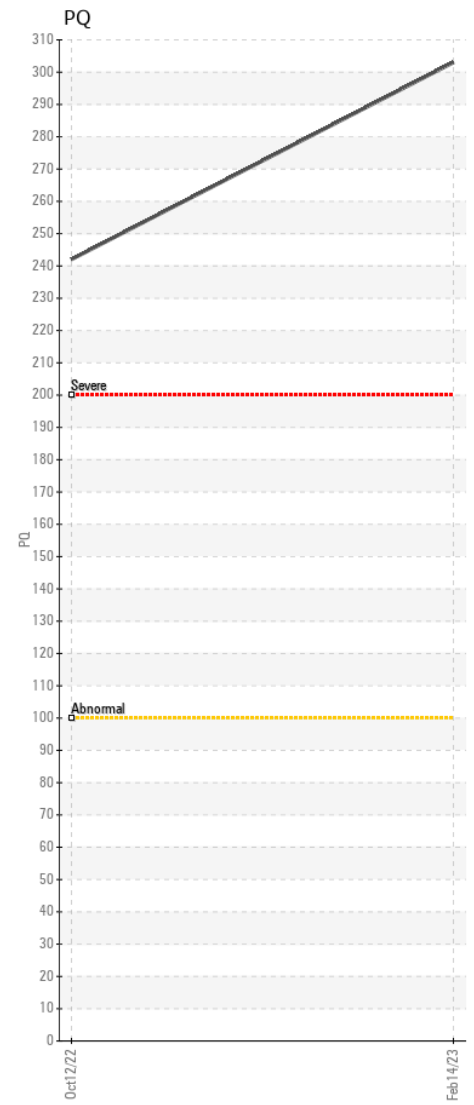
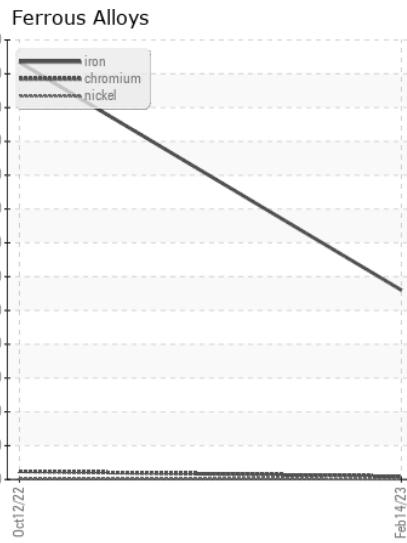
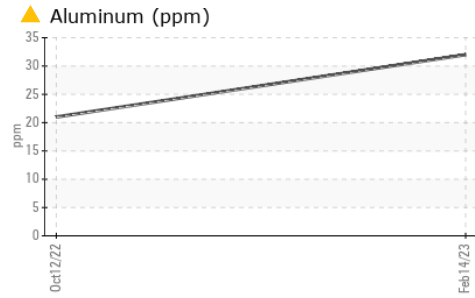
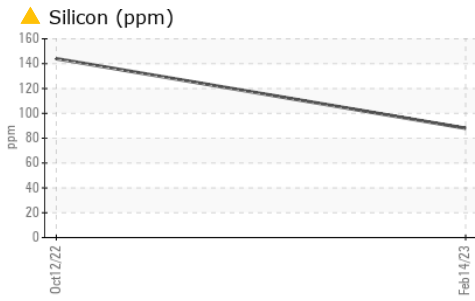
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

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		LEC0036944	LEC0033042	---
Sample Date		Client Info		14 Feb 2023	12 Oct 2022	---
Machine Age	hrs	Client Info		987	497	---
Oil Age	hrs	Client Info		490	497	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---
PQ		ASTM D8184		303	242	---
Iron	ppm	ASTM D5185m	>1250	280	617	---
Chromium	ppm	ASTM D5185m	>10	4	12	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		2	2	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		▲ 32	▲ 21	---
Lead	ppm	ASTM D5185m		0	0	---
Copper	ppm	ASTM D5185m		<1	2	---
Tin	ppm	ASTM D5185m		0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	LIGHT	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m		▲ 88	▲ 144	---
Potassium	ppm	ASTM D5185m	>20	10	3	---
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	---
Sodium	ppm	ASTM D5185m		0	<1	---
Boron	ppm	ASTM D5185m	6	28	66	---
Barium	ppm	ASTM D5185m	0	0	6	---
Molybdenum	ppm	ASTM D5185m	0	<1	<1	---
Manganese	ppm	ASTM D5185m		5	14	---
Magnesium	ppm	ASTM D5185m	145	79	▲ 2	---
Calcium	ppm	ASTM D5185m	3570	2779	▲ 14	---
Phosphorus	ppm	ASTM D5185m	1290	916	▲ 524	---
Zinc	ppm	ASTM D5185m	1640	998	▲ 20	---
Sulfur	ppm	ASTM D5185m		6349	▲ 17775	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	1.5	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	68.8	▲ 187	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0036944 **Received** : 17 Feb 2023
Lab Number : 05770978 **Tested** : 22 Feb 2023
Unique Number : 10345595 **Diagnosed** : 22 Feb 2023 - Jonathan Hester
Test Package : CONST (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)

T: (740)373-5570