



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area

Store 4 - Fairmont

Machine Id

JOHN DEERE 210G 1FF210GXCKF527948

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049125	LEC0040139	LEC0036549
Sample Date		Client Info		19 Apr 2024	28 Mar 2023	16 Nov 2022
Machine Age	hrs	Client Info		3473	2800	2345
Oil Age	hrs	Client Info		673	455	1063
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	None	N/A
Sample Status				ABNORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		372	48	81
Iron	ppm	ASTM D5185m	>1250	485	73	139
Chromium	ppm	ASTM D5185m	>10	6	<1	2
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		4	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		57	<1	2
Lead	ppm	ASTM D5185m		0	<1	0
Copper	ppm	ASTM D5185m		0	0	<1
Tin	ppm	ASTM D5185m		<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	MODER	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

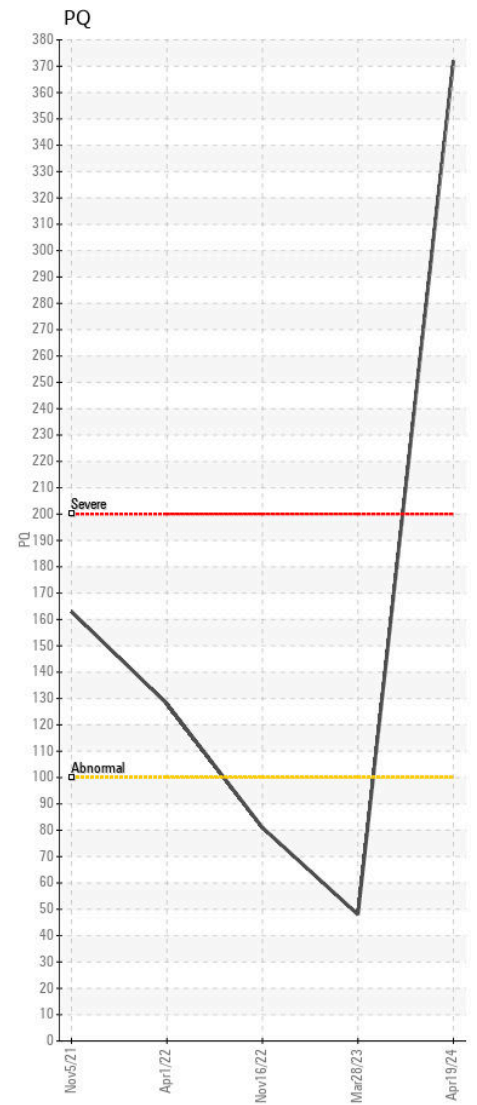
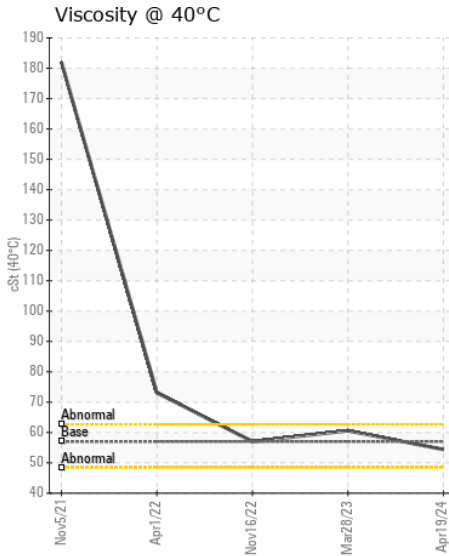
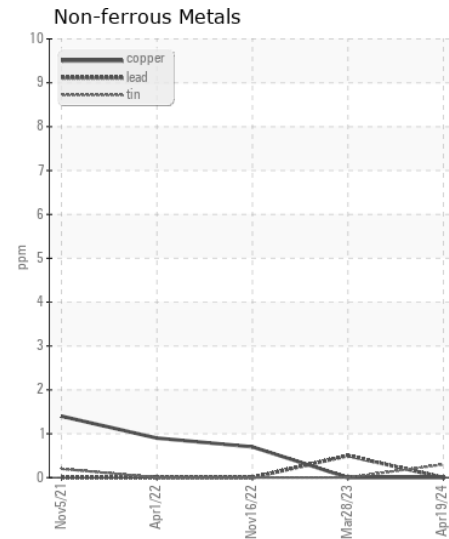
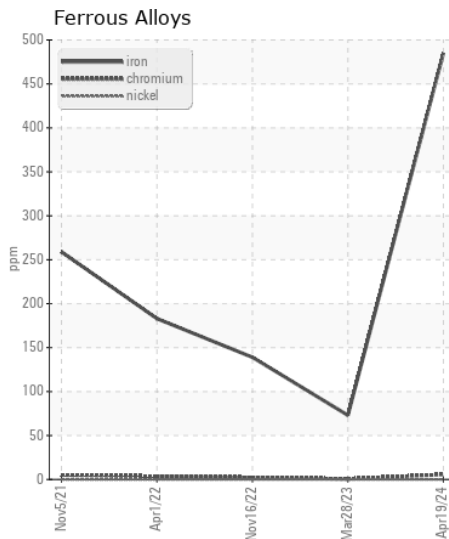
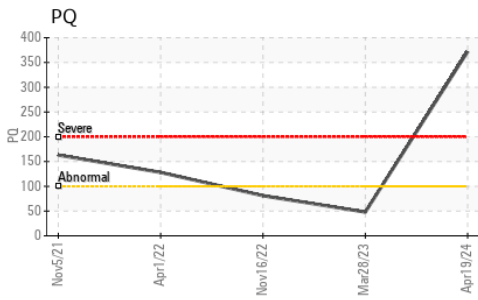
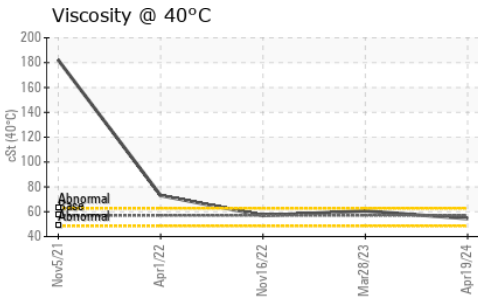
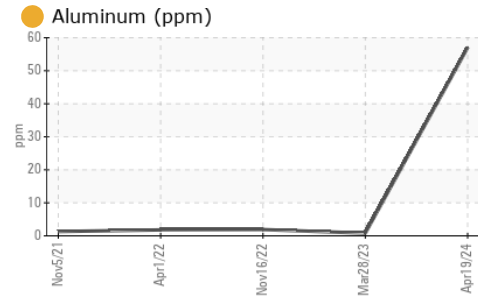
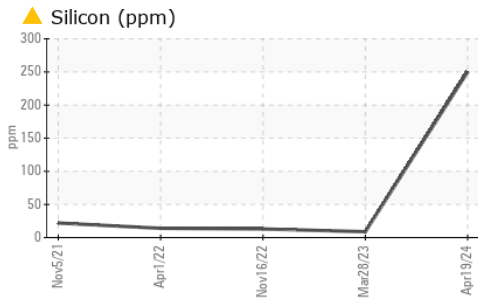
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m		250	9	13
Potassium	ppm	ASTM D5185m	>20	10	0	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	0	0
Boron	ppm	ASTM D5185m	6	12	4	1
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	8	2	2
Manganese	ppm	ASTM D5185m		6	1	2
Magnesium	ppm	ASTM D5185m	145	133	113	101
Calcium	ppm	ASTM D5185m	3570	3539	3424	3396
Phosphorus	ppm	ASTM D5185m	1290	1057	990	968
Zinc	ppm	ASTM D5185m	1640	1256	1261	1129
Sulfur	ppm	ASTM D5185m		3925	4154	4201
Visc @ 40°C	cSt	ASTM D445	57.0	54.4	60.6	57.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049125 **Received** : 25 Apr 2024
Lab Number : 06160700 **Tested** : 26 Apr 2024
Unique Number : 10996123 **Diagnosed** : 29 Apr 2024 - Don Baldrige
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:
F: (740)373-5570