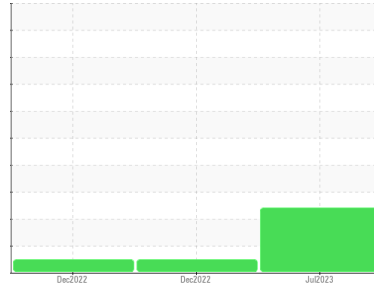




PROBLEM SUMMARY

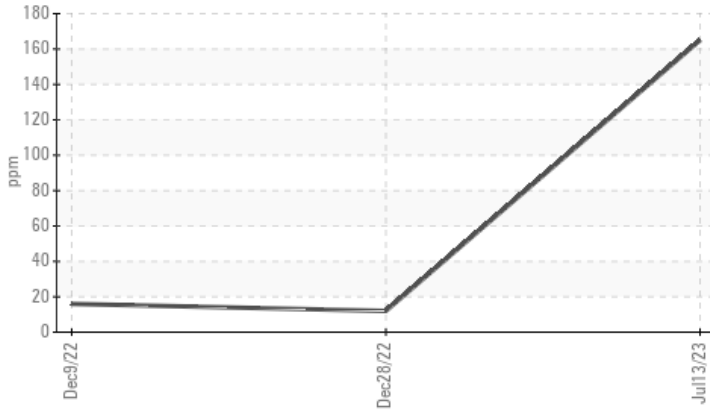
Sample Rating Trend



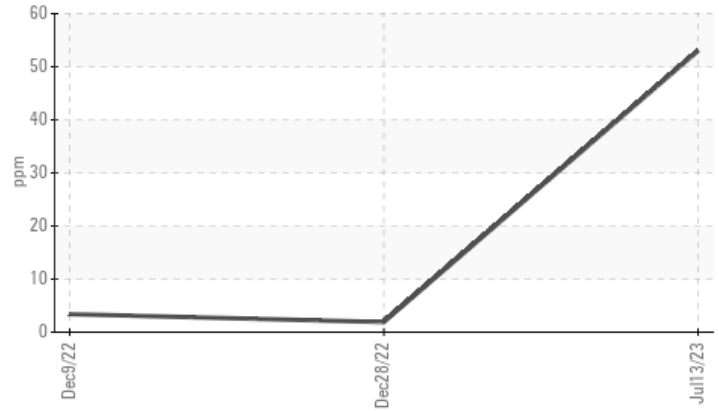
Area
Store 8 - Pikeville [141015]
 Machine Id
JOHN DEERE 210G 1FF210GXCNF530286
 Component
Right Propel Gearbox
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

COMPONENT CONDITION SUMMARY

▲ Silicon (ppm)



▲ Aluminum (ppm)



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.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	NORMAL	NORMAL
Aluminum	ppm	ASTM D5185m	▲ 53	2	3
Silicon	ppm	ASTM D5185m	▲ 165	12	16

Customer Id: LESMAROH
 Sample No.: LEC0041078
 Lab Number: 05901564
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Sean Felton +1 919-379-4092
sfelton@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

HISTORICAL DIAGNOSIS

28 Dec 2022 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

[view report](#)



09 Dec 2022 Diag: Sean Felton

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

[view report](#)

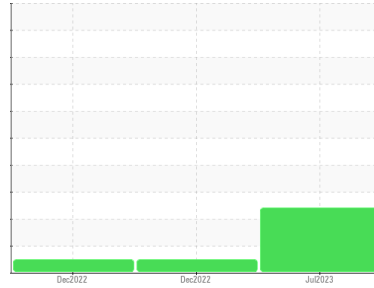




OIL ANALYSIS REPORT

Sample Rating Trend

DIRT



Area
Store 8 - Pikeville [141015]
 Machine Id
JOHN DEERE 210G 1FF210GXCNF530286
 Component
Right Propel Gearbox
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

DIAGNOSIS

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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		LEC0041078	LEC0037840	LEC0037107
Sample Date	Client Info		13 Jul 2023	28 Dec 2022	09 Dec 2022
Machine Age	hrs	Client Info	1083	612	581
Oil Age	hrs	Client Info	502	31	581
Oil Changed	Client Info		Changed	Not Changd	Changed
Sample Status			ABNORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		413	140	309
Iron	ppm	ASTM D5185m >1250	645	137	403
Chromium	ppm	ASTM D5185m >10	9	3	6
Nickel	ppm	ASTM D5185m >10	<1	0	0
Titanium	ppm	ASTM D5185m	3	<1	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m	▲ 53	2	3
Lead	ppm	ASTM D5185m	0	0	0
Copper	ppm	ASTM D5185m	2	<1	<1
Tin	ppm	ASTM D5185m	0	0	0
Vanadium	ppm	ASTM D5185m	<1	<1	<1
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 6	10	23	81
Barium	ppm	ASTM D5185m 0	1	0	6
Molybdenum	ppm	ASTM D5185m 0	<1	<1	<1
Manganese	ppm	ASTM D5185m	10	3	7
Magnesium	ppm	ASTM D5185m 145	83	70	0
Calcium	ppm	ASTM D5185m 3570	2787	2628	22
Phosphorus	ppm	ASTM D5185m 1290	909	850	543
Zinc	ppm	ASTM D5185m 1640	994	916	21
Sulfur	ppm	ASTM D5185m	8160	6686	17607

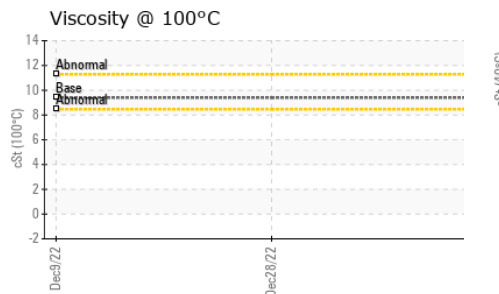
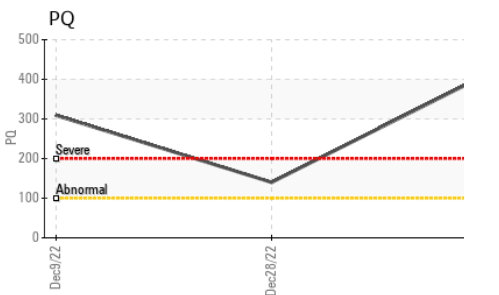
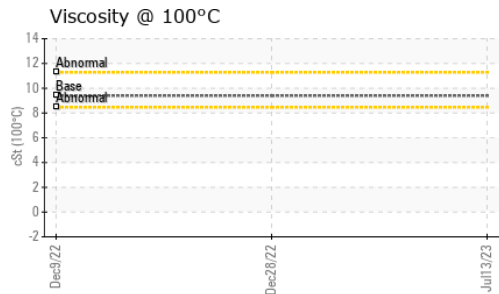
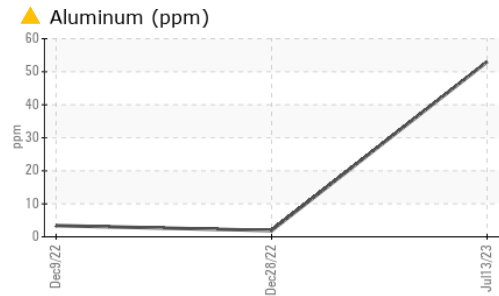
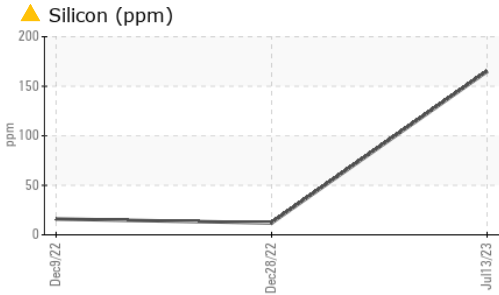
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	▲ 165	12	16
Sodium	ppm	ASTM D5185m	<1	0	<1
Potassium	ppm	ASTM D5185m >20	16	1	0

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	MODER	MODER	MODER
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
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	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

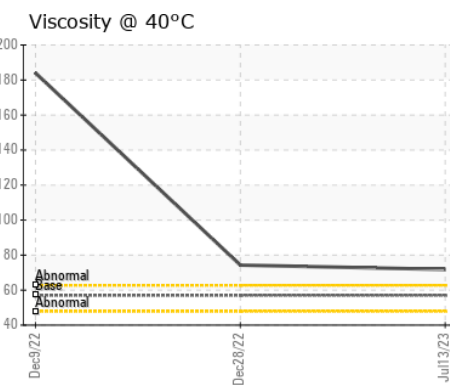
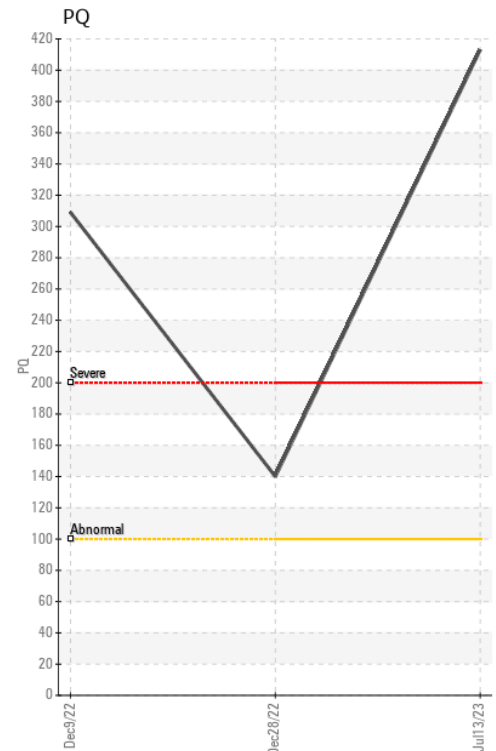
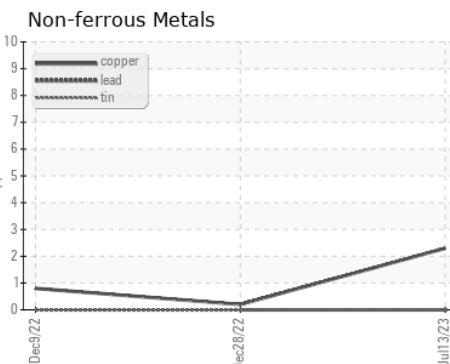
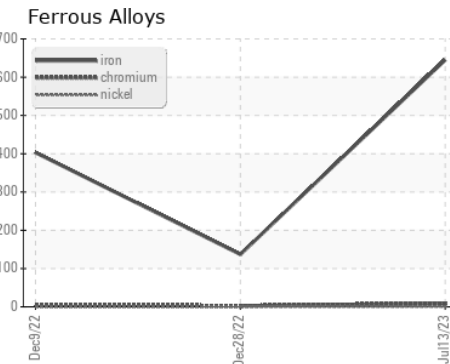
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	71.8	74.3	184

SAMPLE IMAGES	method	limit/base	current	history1	history2	
Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0041078 **Received** : 18 Jul 2023
Lab Number : **05901564** **Diagnosed** : 20 Jul 2023
Unique Number : 10562920 **Diagnostician** : Sean Felton
Test Package : CONST (Additional Tests: FT-IR, KV100, PQ)

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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