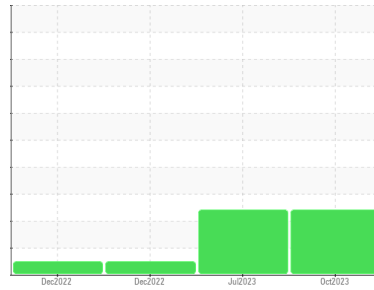




PROBLEM SUMMARY

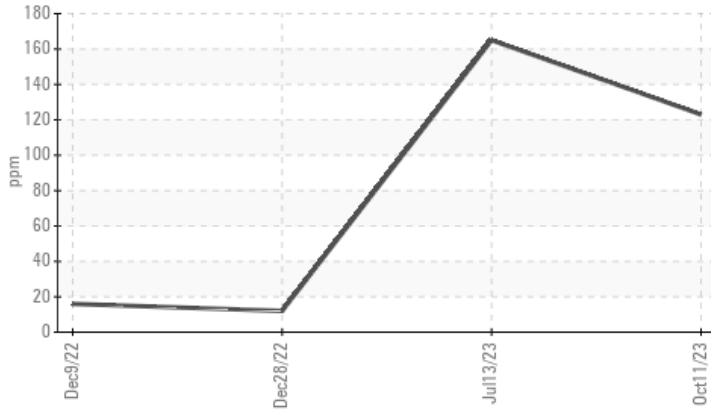
Sample Rating Trend



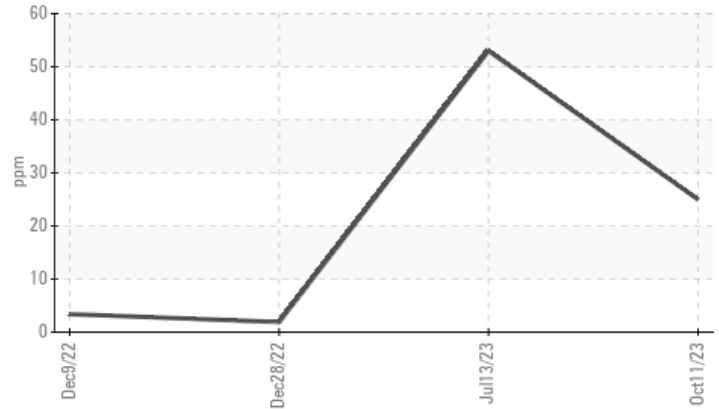
Area
Store 8 - Pikeville
 Machine Id
JOHN DEERE 210G 1FF210GXCNF530286
 Component
Right Propel Gearbox
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

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	ABNORMAL	NORMAL
Aluminum	ppm	ASTM D5185m	▲ 25	▲ 53	2
Silicon	ppm	ASTM D5185m	▲ 123	▲ 165	12

Customer Id: LESMAROH
 Sample No.: LEC0042789
 Lab Number: 05978469
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

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

13 Jul 2023 Diag: Sean Felton

DIRT



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. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

view report



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.

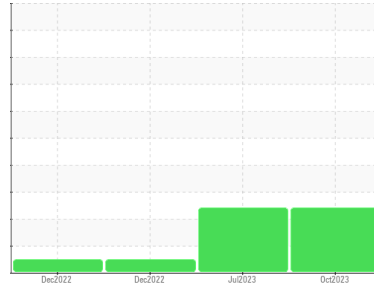
view report





OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Area
Store 8 - Pikeville
 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	LEC0042789	LEC0041078	LEC0037840
Sample Date	Client Info	11 Oct 2023	13 Jul 2023	28 Dec 2022
Machine Age	hrs	1570	1083	612
Oil Age	hrs	487	502	31
Oil Changed	Client Info	Changed	Changed	Not Changed
Sample Status		ABNORMAL	ABNORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	372	413	140
Iron	ppm ASTM D5185m >1250	606	645	137
Chromium	ppm ASTM D5185m >10	7	9	3
Nickel	ppm ASTM D5185m >10	1	<1	0
Titanium	ppm ASTM D5185m	2	3	<1
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m	▲ 25	▲ 53	2
Lead	ppm ASTM D5185m	0	0	0
Copper	ppm ASTM D5185m	1	2	<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	9	10	23
Barium	ppm ASTM D5185m 0	0	1	0
Molybdenum	ppm ASTM D5185m 0	1	<1	<1
Manganese	ppm ASTM D5185m	7	10	3
Magnesium	ppm ASTM D5185m 145	97	83	70
Calcium	ppm ASTM D5185m 3570	3160	2787	2628
Phosphorus	ppm ASTM D5185m 1290	1010	909	850
Zinc	ppm ASTM D5185m 1640	1243	994	916
Sulfur	ppm ASTM D5185m	4848	8160	6686

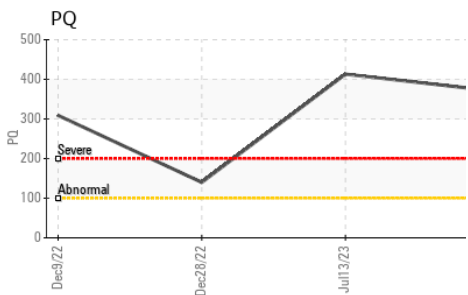
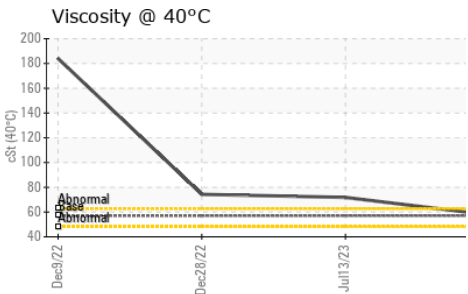
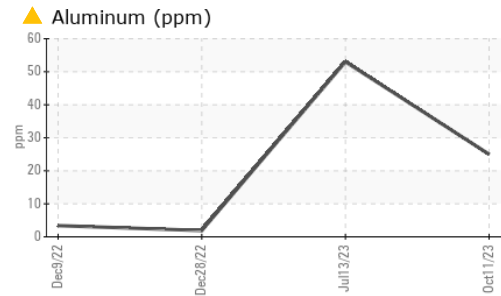
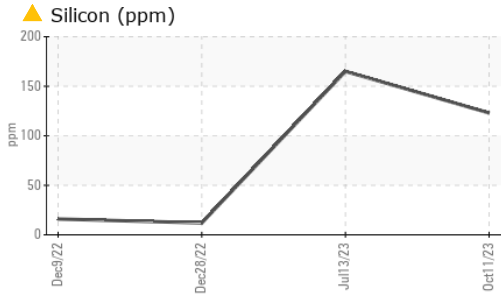
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	▲ 123	▲ 165	12
Sodium	ppm ASTM D5185m	0	<1	0
Potassium	ppm ASTM D5185m >20	11	16	1

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	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

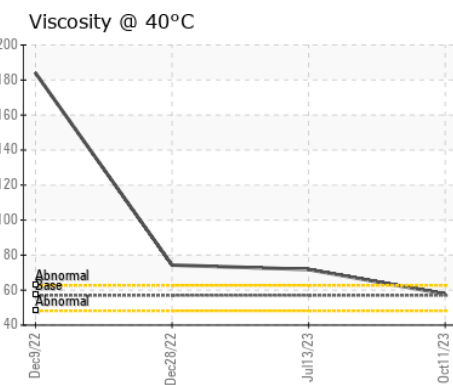
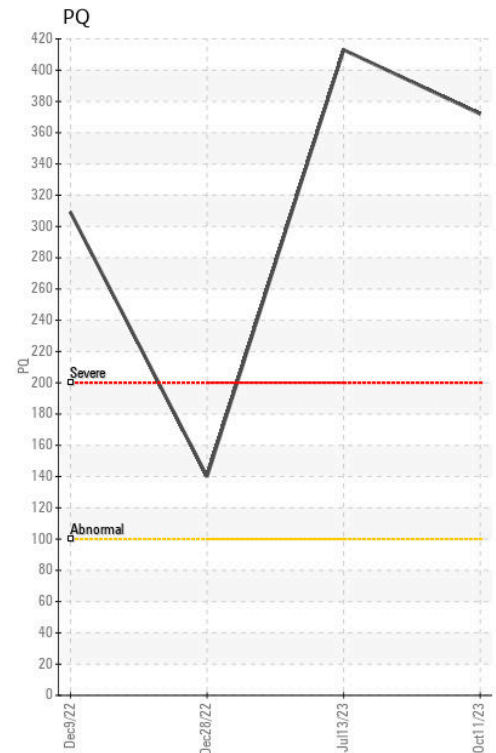
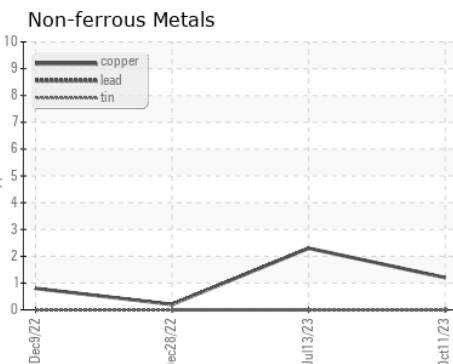
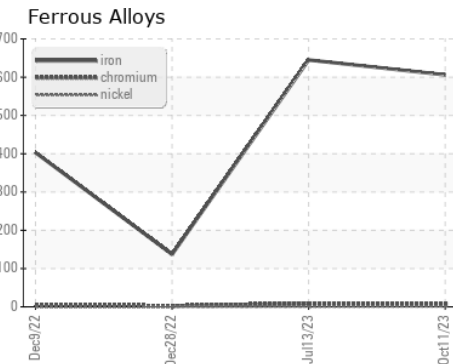


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.0	57.8	71.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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. : LEC0042789 **Received** : 13 Oct 2023
Lab Number : 05978469 **Diagnosed** : 17 Oct 2023
Unique Number : 10695764 **Diagnostician** : 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
 T:
 F: (740)373-5570

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)