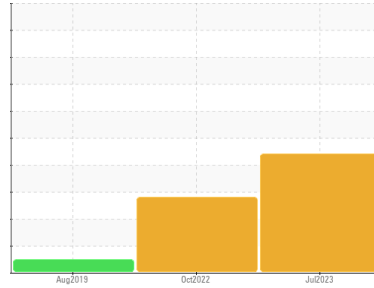




PROBLEM SUMMARY

Sample Rating Trend

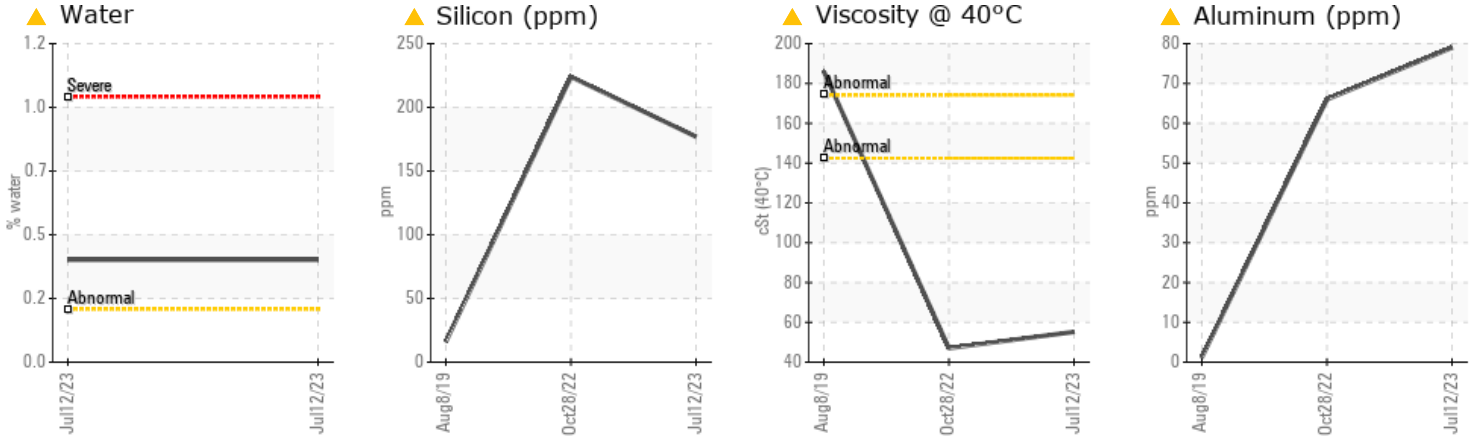


WATER



Area
Store 8 - Pikeville
 Machine Id
JOHN DEERE 350G 1FF350GXKKF813448
 Component
Left Propel Gearbox
 Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

COMPONENT CONDITION SUMMARY



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	▲ 79	▲ 66	1
Silicon ppm ASTM D5185m	▲ 177	▲ 224	16
Water % ASTM D6304 >0.2	▲ 0.386	---	---
ppm Water ppm ASTM D6304 >2000	▲ 3860	---	---
Visc @ 40°C cSt ASTM D445	▲ 55.2	▲ 47.0	186

Customer Id: LESMAROH
 Sample No.: LEC0042848
 Lab Number: 05898801
 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

28 Oct 2022 Diag: Don Baldrige

DIRT



We advise that you check all areas where dirt can enter the system. 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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

[view report](#)



08 Aug 2019 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.

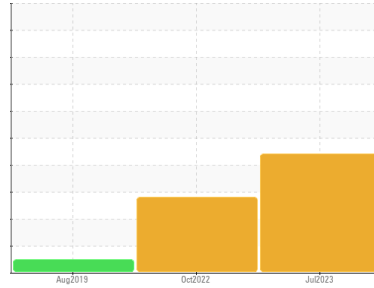
[view report](#)





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
Store 8 - Pikeville
 Machine Id
JOHN DEERE 350G 1FF350GXKKF813448
 Component
Left Propel Gearbox
 Fluid
JOHN DEERE GL-5 80W90 (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

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

Fluid Condition

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	LEC0042848	LEC0033002	LEC0001462
Sample Date	Client Info	12 Jul 2023	28 Oct 2022	08 Aug 2019
Machine Age	hrs	4221	3844	653
Oil Age	hrs	4221	3844	653
Oil Changed	Client Info	Changed	Not Changd	Not Changd
Sample Status		ABNORMAL	ABNORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	88	164	164
Iron	ppm ASTM D5185m >1250	284	600	226
Chromium	ppm ASTM D5185m >10	2	5	4
Nickel	ppm ASTM D5185m >10	2	2	<1
Titanium	ppm ASTM D5185m	4	5	<1
Silver	ppm ASTM D5185m	0	2	0
Aluminum	ppm ASTM D5185m	▲ 79	▲ 66	1
Lead	ppm ASTM D5185m	0	<1	2
Copper	ppm ASTM D5185m	1	2	<1
Tin	ppm ASTM D5185m	0	0	0
Antimony	ppm ASTM D5185m >5	---	---	0
Vanadium	ppm ASTM D5185m	<1	<1	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	10	26	66
Barium	ppm ASTM D5185m	3	0	5
Molybdenum	ppm ASTM D5185m	4	3	0
Manganese	ppm ASTM D5185m	3	7	4
Magnesium	ppm ASTM D5185m	109	83	<1
Calcium	ppm ASTM D5185m	3371	1870	8
Phosphorus	ppm ASTM D5185m	1007	642	460
Zinc	ppm ASTM D5185m	1218	700	17
Sulfur	ppm ASTM D5185m	4774	3302	13175

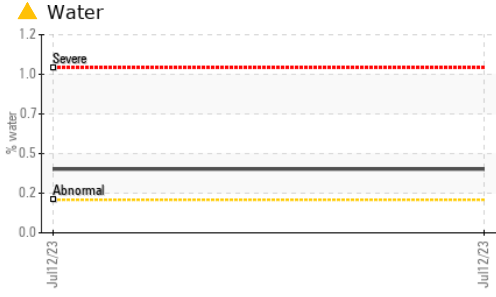
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	▲ 177	▲ 224	16
Sodium	ppm ASTM D5185m	3	6	<1
Potassium	ppm ASTM D5185m >20	22	27	0
Water	% ASTM D6304 >0.2	▲ 0.386	---	---
ppm Water	ppm ASTM D6304 >2000	▲ 3860	---	---

VISUAL

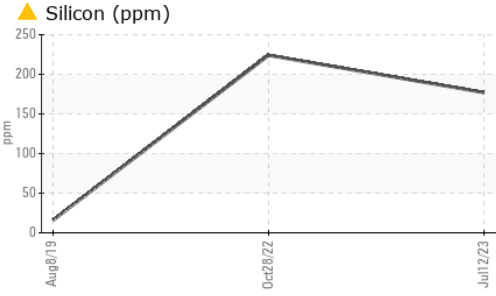
method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	LIGHT	VLITE
Yellow Metal	scalar *Visual NONE	NONE	NONE	NONE
Precipitate	scalar *Visual NONE	NONE	NONE	NONE
Silt	scalar *Visual NONE	LIGHT	NONE	NONE
Debris	scalar *Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar *Visual NONE	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
Free Water	scalar *Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT

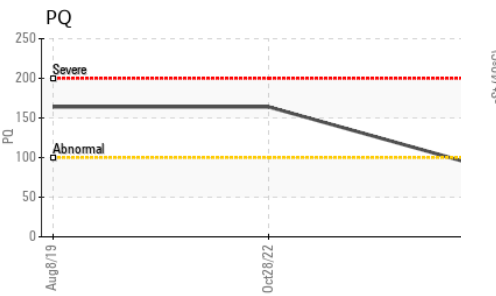
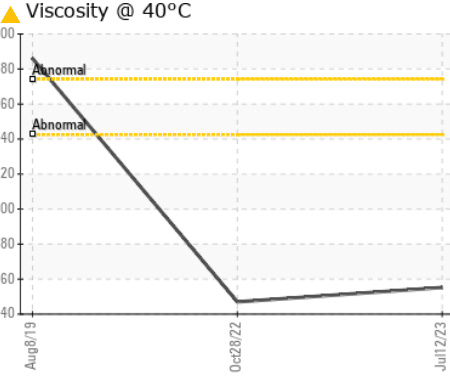
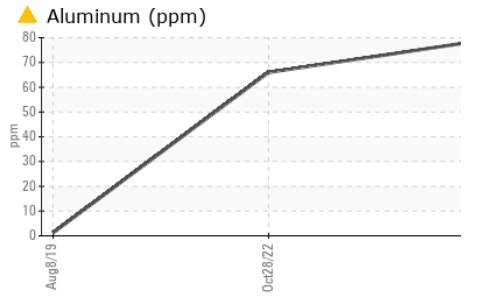
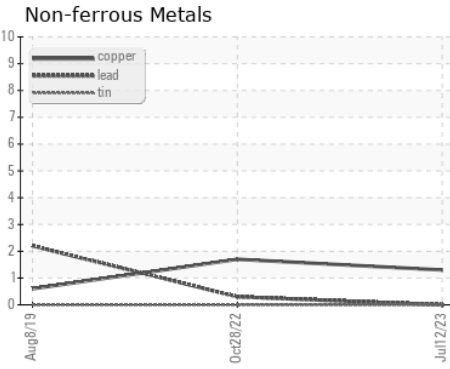
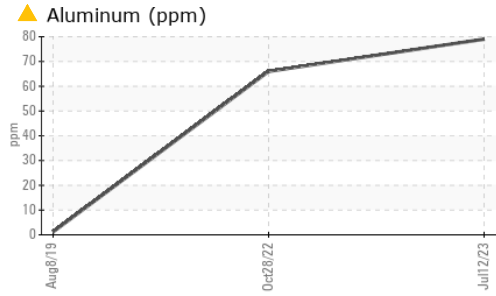
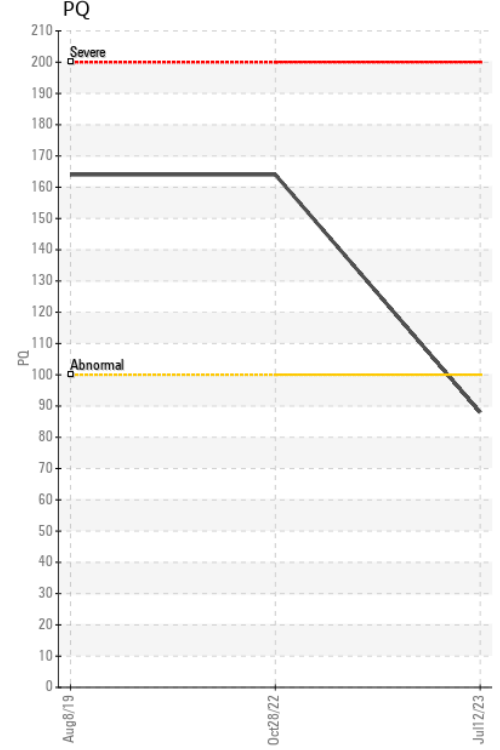
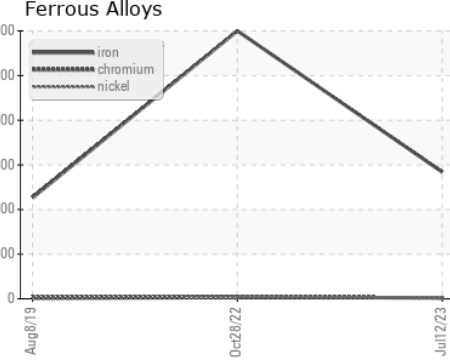


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	▲ 55.2	▲ 47.0	186

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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0042848 **Received** : 14 Jul 2023
Lab Number : 05898801 **Diagnosed** : 18 Jul 2023
Unique Number : 10560157 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: KF, PQ)

LESLIE EQUIPMENT COMPANY
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 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendallLeanne@lec1.com
 T:
 F: (740)373-5570

Certificate L2367
 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)