



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 9 - Marietta
Machine Id
JOHN DEERE 250G EX39 (S/N 1FF250GXPNF611949)
Component
Pump Drive
Fluid
SAE 90 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0047739	LEC0043827	LEC0040461
Sample Date		Client Info		15 Dec 2023	16 Aug 2023	06 Apr 2023
Machine Age	hrs	Client Info		2457	1906	1308
Oil Age	hrs	Client Info		1000	500	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	None	Changed
Sample Status				ABNORMAL	NORMAL	ATTENTION

WEAR

Gear wear is indicated. All other component wear rates are normal.

PQ		ASTM D8184		143	16	12
Iron	ppm	ASTM D5185m	>151	▲ 185	79	88
Chromium	ppm	ASTM D5185m	>11	<1	<1	2
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	<1	<1	5
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	<1	<1	2
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

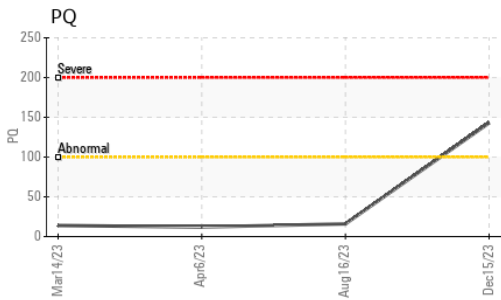
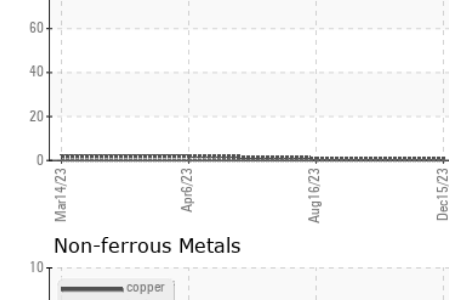
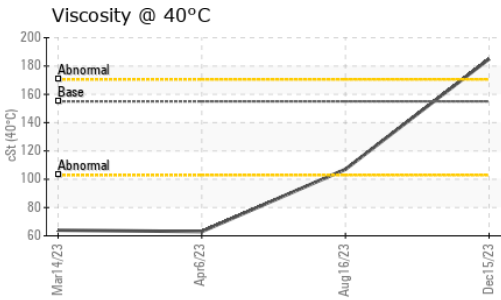
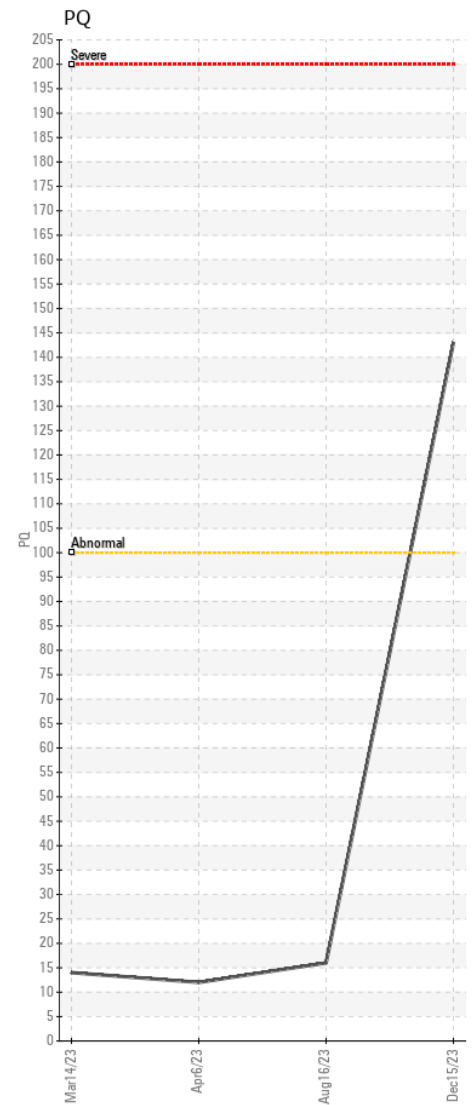
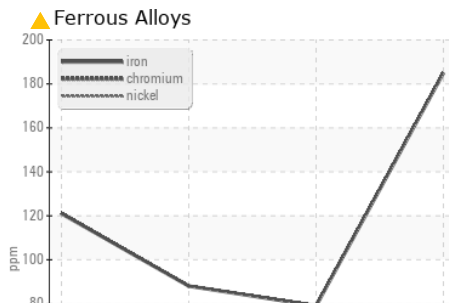
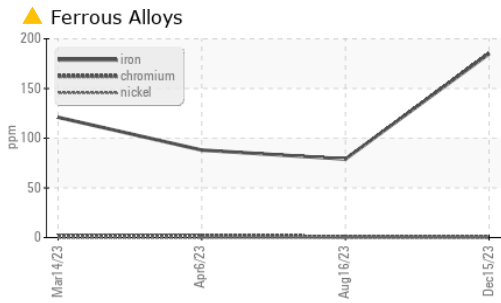
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	23	14	22
Potassium	ppm	ASTM D5185m	>20	<1	<1	2
Water		WC Method	>0.1	NEG	NEG	NEG
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	2	2	3
Boron	ppm	ASTM D5185m		76	154	63
Barium	ppm	ASTM D5185m		2	0	4
Molybdenum	ppm	ASTM D5185m		0	36	▲ 106
Manganese	ppm	ASTM D5185m		2	2	4
Magnesium	ppm	ASTM D5185m		0	10	▲ 19
Calcium	ppm	ASTM D5185m		29	1414	▲ 4096
Phosphorus	ppm	ASTM D5185m		533	1056	1167
Zinc	ppm	ASTM D5185m		4	444	▲ 1338
Sulfur	ppm	ASTM D5185m		15871	15969	▲ 9640
Visc @ 40°C	cSt	ASTM D445	155	185	107	▲ 63.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047739 **Received** : 17 Jan 2024
Lab Number : 06063863 **Diagnosed** : 20 Jan 2024
Unique Number : 10835245 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: 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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