



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 3 - Norton
Machine Id
JOHN DEERE 210G EX12 (S/N 1FF210GXLJF526866)
Component
Swing Drive
Fluid
GEAR OIL SAE 90 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0045331	LEC0042520	LEC0039973
Sample Date		Client Info		23 Dec 2023	26 Jun 2023	16 Feb 2023
Machine Age	hrs	Client Info		3266	2787	2287
Oil Age	hrs	Client Info		500	1000	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		25	23	57
Iron	ppm	ASTM D5185m	>151	81	118	136
Chromium	ppm	ASTM D5185m	>11	<1	2	1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>21	2	4	2
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

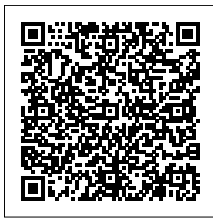
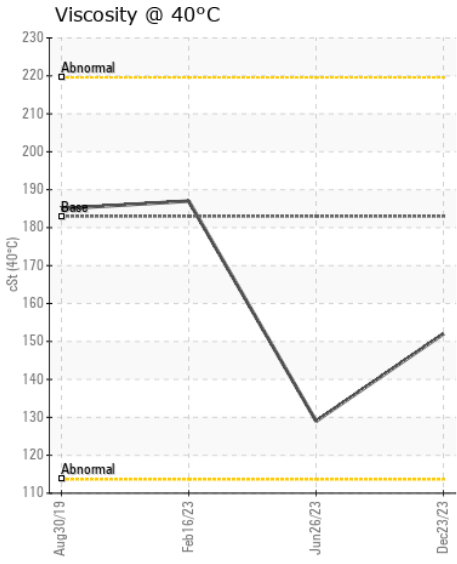
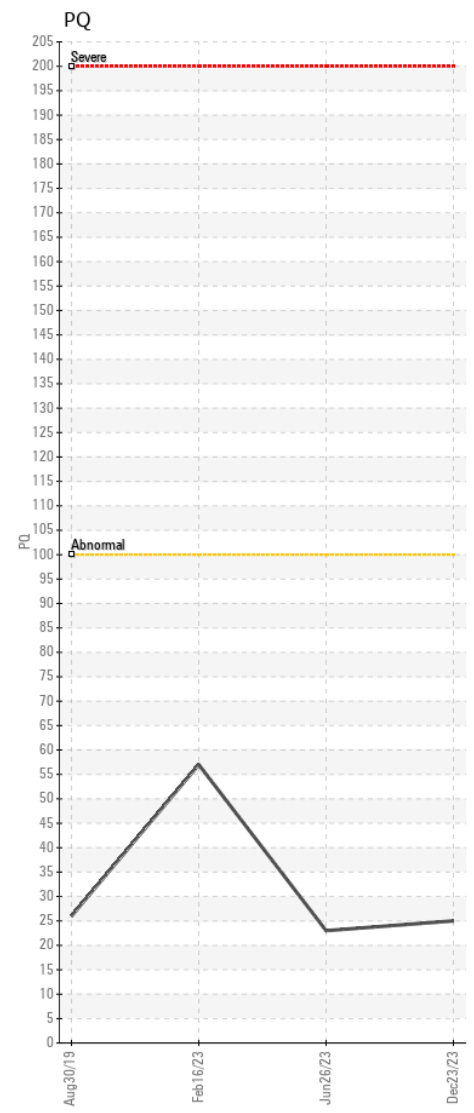
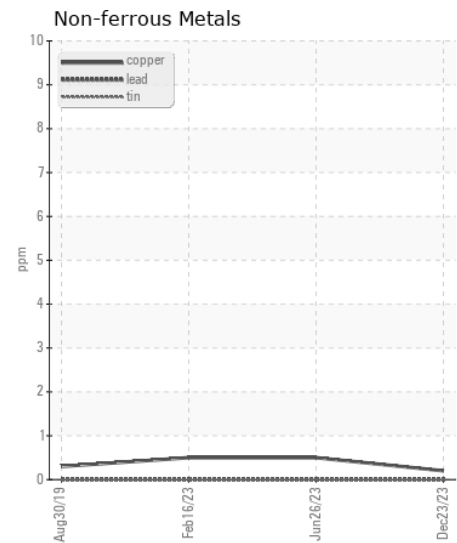
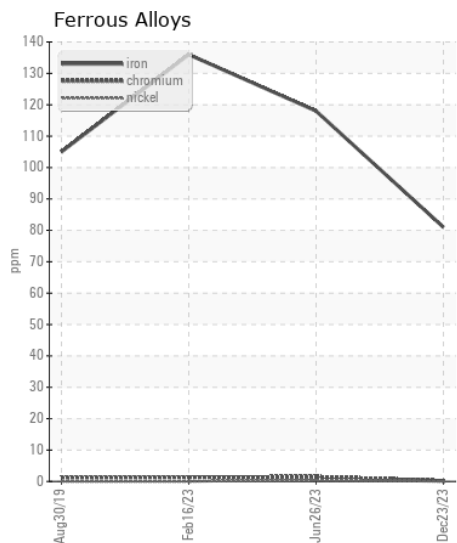
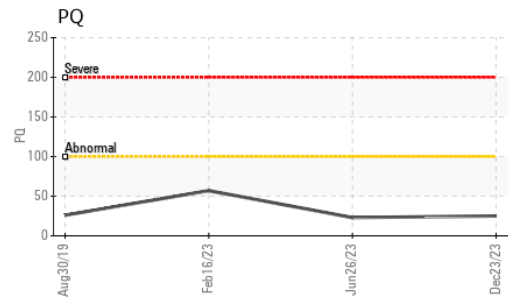
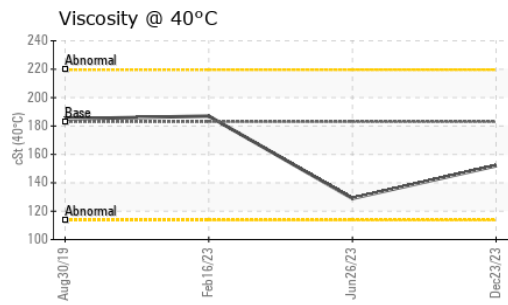
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	15	30	19
Potassium	ppm	ASTM D5185m	>20	1	4	3
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	<1	0	2
Boron	ppm	ASTM D5185m	400	125	217	53
Barium	ppm	ASTM D5185m	200	1	3	6
Molybdenum	ppm	ASTM D5185m	12	0	24	0
Manganese	ppm	ASTM D5185m		1	2	3
Magnesium	ppm	ASTM D5185m	12	0	28	<1
Calcium	ppm	ASTM D5185m	150	7	877	20
Phosphorus	ppm	ASTM D5185m	1650	810	1252	492
Zinc	ppm	ASTM D5185m	125	0	335	13
Sulfur	ppm	ASTM D5185m	22500	17867	18778	16720
Visc @ 40°C	cSt	ASTM D445	183	152	129	187



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0045331 **Received** : 17 Jan 2024
Lab Number : 06063860 **Diagnosed** : 20 Jan 2024
Unique Number : 10835242 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

LANE PIPELINE
 2946 E MAIN ST
 BRIDGEPORT, WV
 US 26330
 Contact: SCOTT

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: (304)874-2727
 F: