



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 250G EX25 (S/N 1FF250GXTKF611136)
 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		LEC0049038	LEC0042559	LEC0001460
Sample Date		Client Info		24 May 2024	08 Jul 2023	08 Aug 2019
Machine Age	hrs	Client Info		4739	3090	553
Oil Age	hrs	Client Info		1000	3090	553
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Changed	None	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		73	101	53
Iron	ppm	ASTM D5185m	>151	249	195	109
Chromium	ppm	ASTM D5185m	>11	<1	1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	0	<1	<1
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	0	0	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

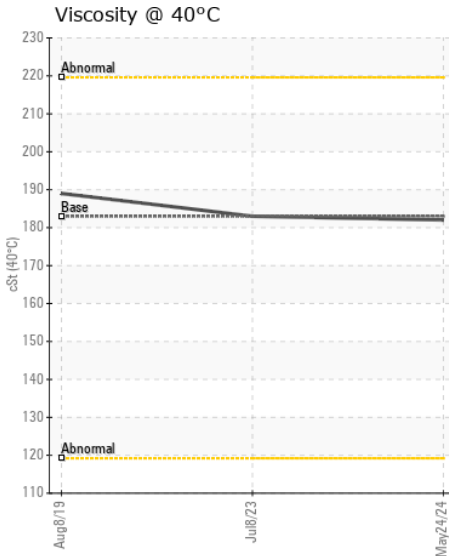
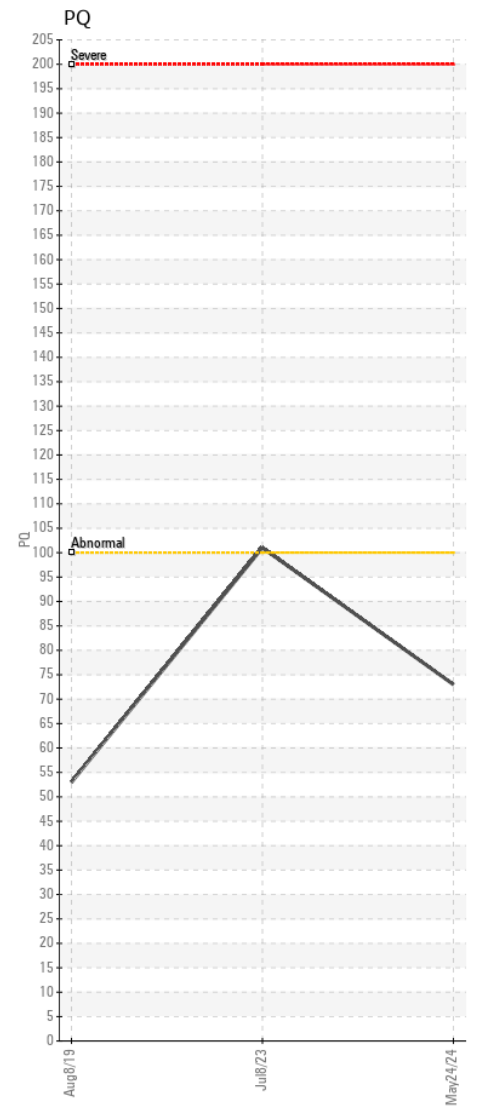
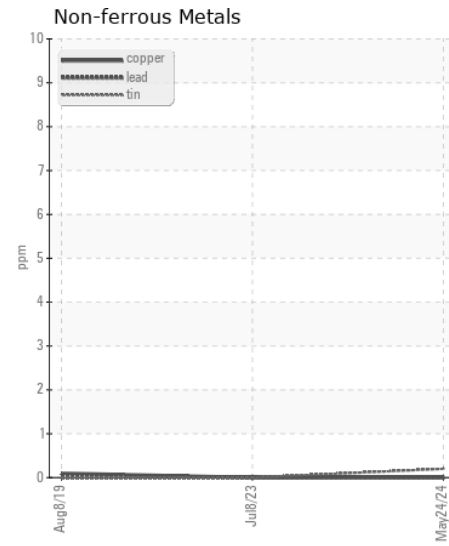
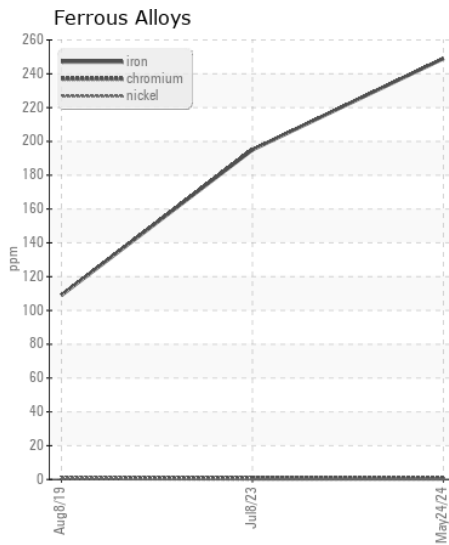
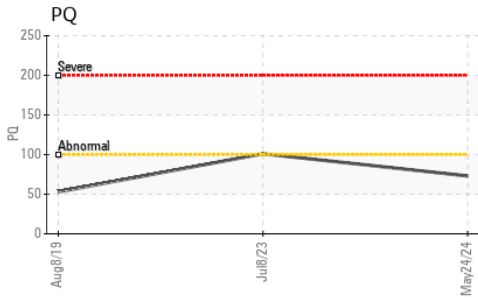
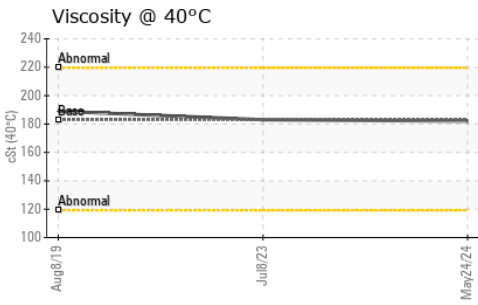
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	30	24	22
Potassium	ppm	ASTM D5185m	>20	0	2	0
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	3	1	1
Boron	ppm	ASTM D5185m	400	56	32	38
Barium	ppm	ASTM D5185m	200	3	2	5
Molybdenum	ppm	ASTM D5185m	12	2	0	0
Manganese	ppm	ASTM D5185m		3	2	1
Magnesium	ppm	ASTM D5185m	12	0	<1	<1
Calcium	ppm	ASTM D5185m	150	15	18	13
Phosphorus	ppm	ASTM D5185m	1650	568	492	447
Zinc	ppm	ASTM D5185m	125	5	17	9
Sulfur	ppm	ASTM D5185m	22500	19045	17075	12658
Visc @ 40°C	cSt	ASTM D445	183	182	183	189



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049038 **Received** : 31 May 2024
Lab Number : 06197026 **Tested** : 03 Jun 2024
Unique Number : 11059149 **Diagnosed** : 04 Jun 2024 - Sean Felton
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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