



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 3 - Norton

Machine Id
JOHN DEERE 250G EX40 (S/N 1FF250GXTNF611948)

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		LEC0049285	LEC0047653	LEC0039549
Sample Date		Client Info		06 Jun 2024	11 Dec 2023	23 Feb 2023
Machine Age	hrs	Client Info		2566	1961	1132
Oil Age	hrs	Client Info		1000	500	1132
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	N/A
Filter Changed		Client Info		Changed	Changed	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		55	14	110
Iron	ppm	ASTM D5185m	>151	111	38	183
Chromium	ppm	ASTM D5185m	>11	0	0	1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	<1	1	2
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	0	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

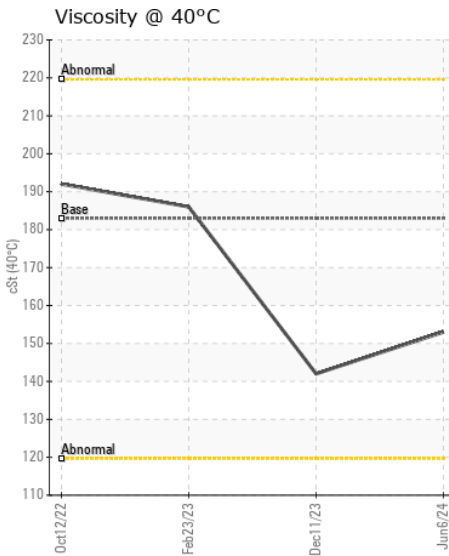
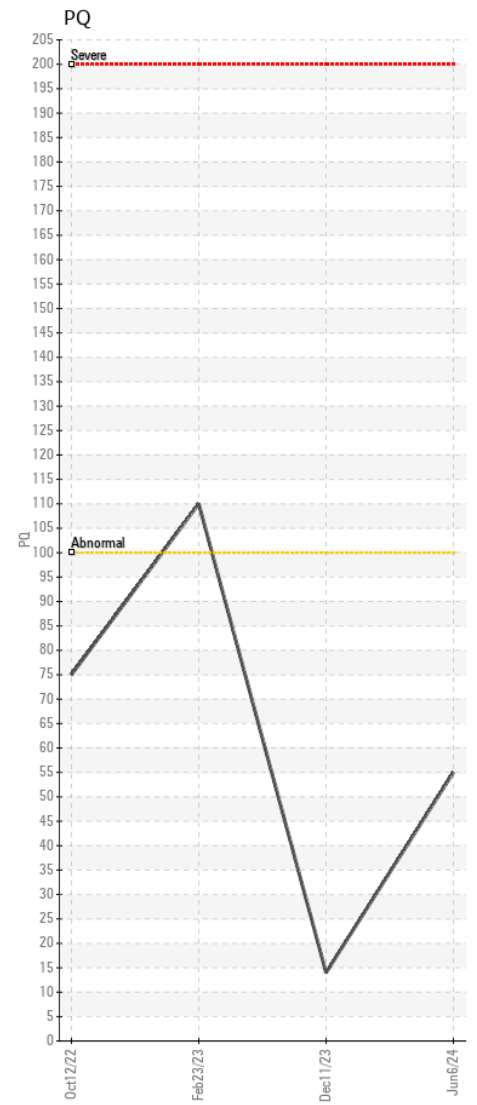
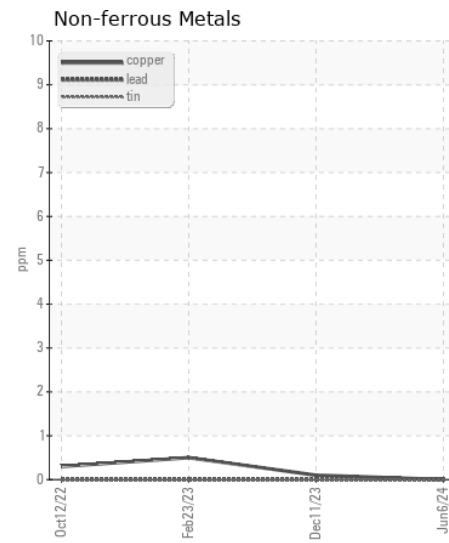
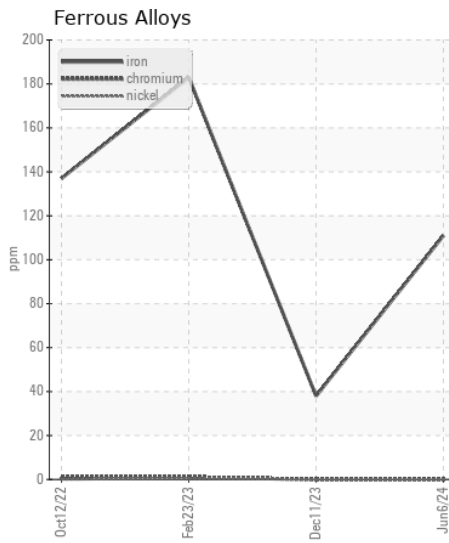
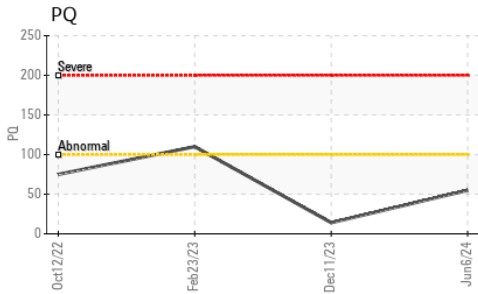
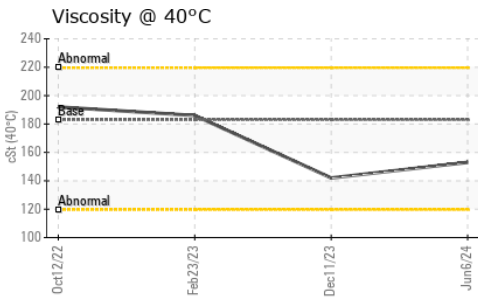
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>31	17	9	22
Potassium	ppm	ASTM D5185m	>20	1	0	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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>51	2	<1	0
Boron	ppm	ASTM D5185m	400	117	43	59
Barium	ppm	ASTM D5185m	200	<1	0	5
Molybdenum	ppm	ASTM D5185m	12	0	8	<1
Manganese	ppm	ASTM D5185m		2	<1	2
Magnesium	ppm	ASTM D5185m	12	1	<1	3
Calcium	ppm	ASTM D5185m	150	19	264	47
Phosphorus	ppm	ASTM D5185m	1650	851	845	495
Zinc	ppm	ASTM D5185m	125	6	87	16
Sulfur	ppm	ASTM D5185m	22500	20809	10413	14545
Visc @ 40°C	cSt	ASTM D445	183	153	142	186



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049285 **Received** : 03 Jul 2024
Lab Number : 06227712 **Tested** : 05 Jul 2024
Unique Number : 11111205 **Diagnosed** : 06 Jul 2024 - 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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