



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 3 - Norton

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

Component
Pump Drive

Fluid
GEAR OIL SAE 90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049286	LEC0047652	LEC0039548
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 Chngd	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ATTENTION

WEAR

All component wear rates are normal.

PQ		ASTM D8184		16	87	10
Iron	ppm	ASTM D5185m	>151	84	▲ 173	59
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	4	3	3
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	0	0	1
Tin	ppm	ASTM D5185m	>4	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

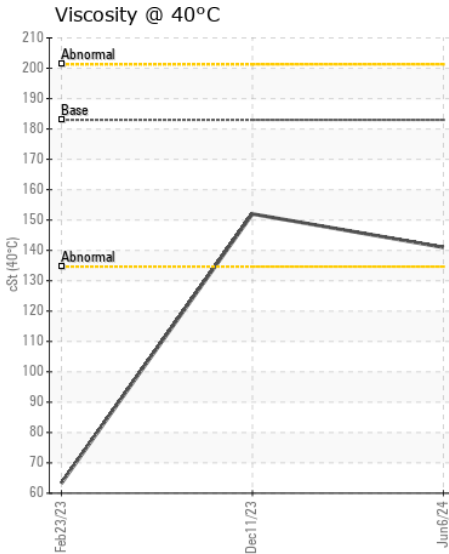
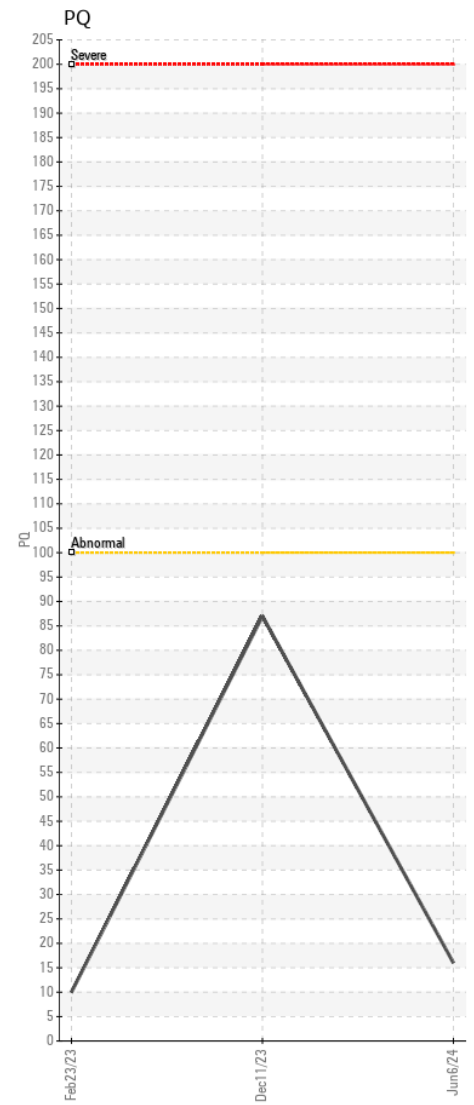
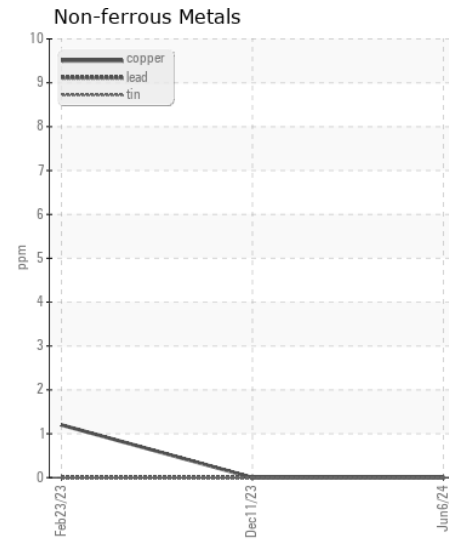
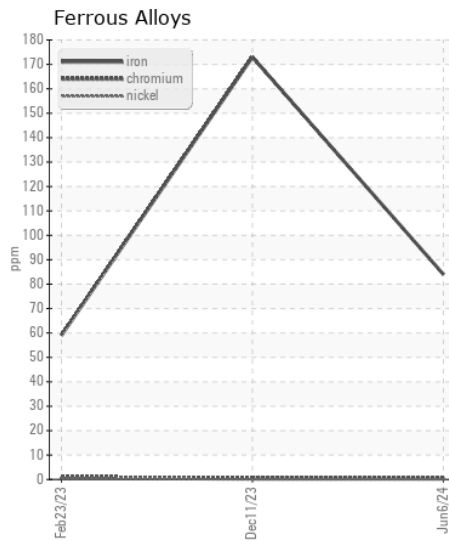
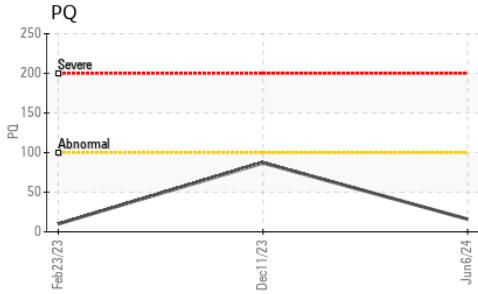
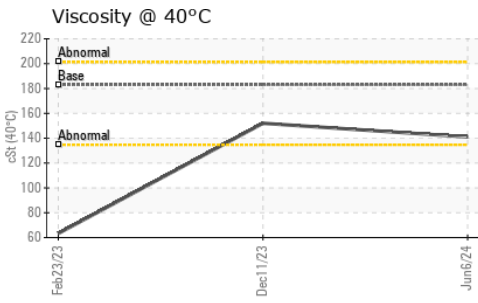
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	21	24	15
Potassium	ppm	ASTM D5185m	>20	2	0	4
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	<1	0
Boron	ppm	ASTM D5185m	400	40	133	56
Barium	ppm	ASTM D5185m	200	0	<1	8
Molybdenum	ppm	ASTM D5185m	12	7	0	110
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m	12	6	0	15
Calcium	ppm	ASTM D5185m	150	352	9	4261
Phosphorus	ppm	ASTM D5185m	1650	1026	701	1176
Zinc	ppm	ASTM D5185m	125	122	0	1327
Sulfur	ppm	ASTM D5185m	22500	11098	18266	8701
Visc @ 40°C	cSt	ASTM D445	183	141	152	● 63.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049286 **Received** : 03 Jul 2024
Lab Number : 06227711 **Tested** : 05 Jul 2024
Unique Number : 11111204 **Diagnosed** : 06 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

LANE PIPELINE
 2946 E MAIN ST
 BRIDGEPORT, WV
 US 26330
 Contact: JESSE WILBURN
 jessewilburn@gmail.com
 T: (740)440-0927
 F:

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)