



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
Store 3 - Norton
Machine Id
JOHN DEERE 300G 1FF300GXENF732110
Component
Pump Drive
Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)

RECOMMENDATION

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		LEC0047361	LEC0043100	---
Sample Date		Client Info		12 Jan 2024	06 Sep 2023	---
Machine Age	hrs	Client Info		857	403	---
Oil Age	hrs	Client Info		454	403	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		None	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		18	22	---
Iron	ppm	ASTM D5185m	>151	88	92	---
Chromium	ppm	ASTM D5185m	>11	3	4	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>21	1	3	---
Lead	ppm	ASTM D5185m	>51	<1	0	---
Copper	ppm	ASTM D5185m	>51	<1	1	---
Tin	ppm	ASTM D5185m	>4	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

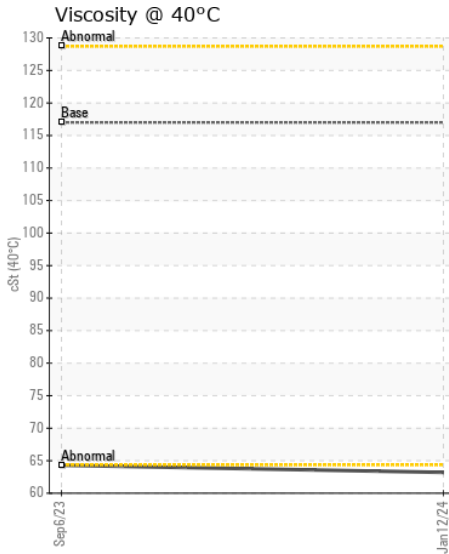
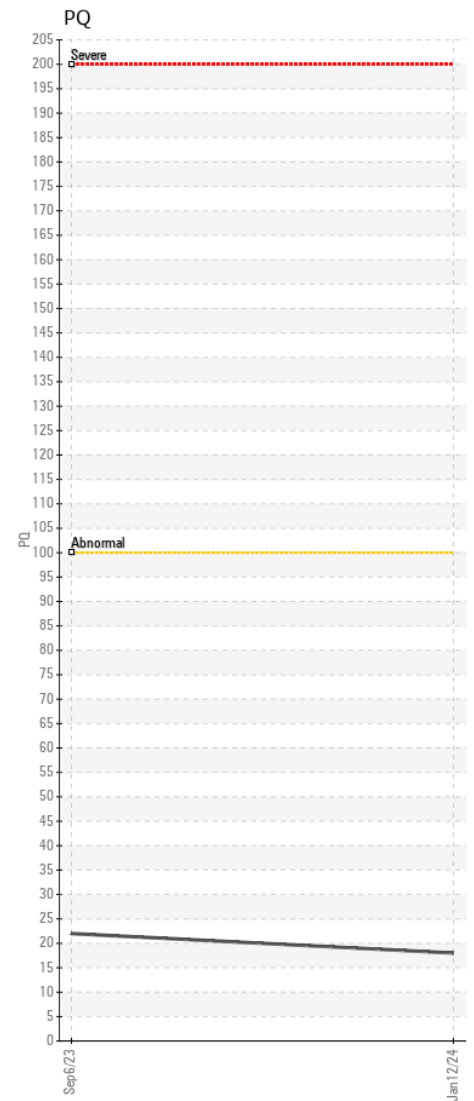
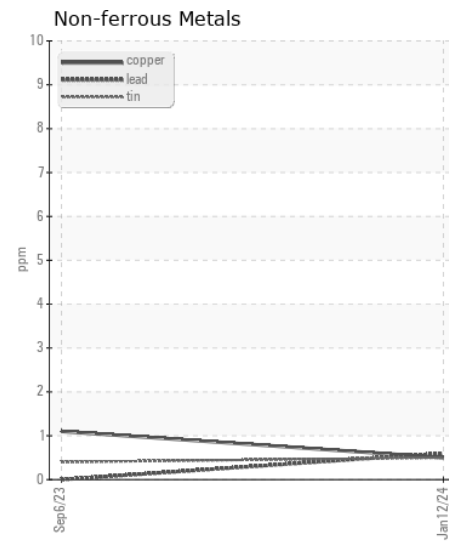
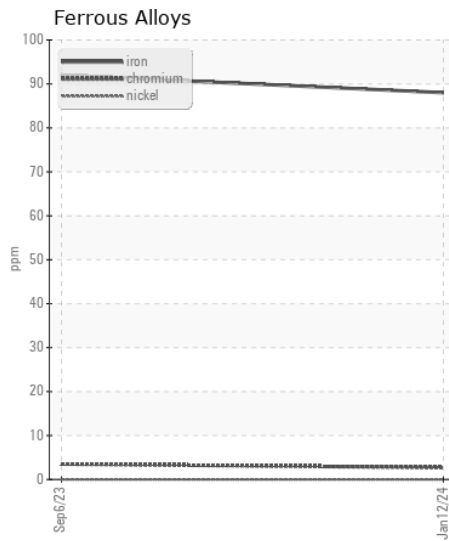
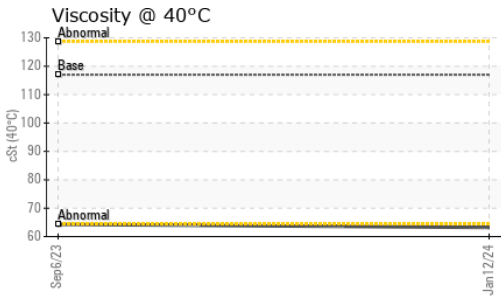
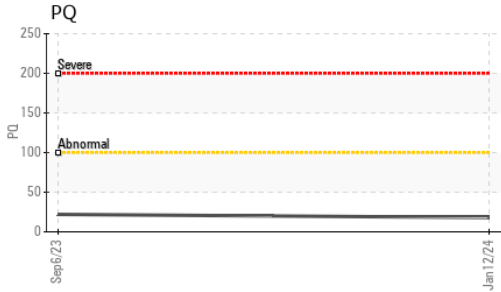
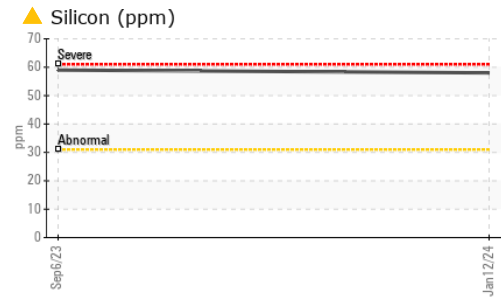
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>31	▲ 58	▲ 59	---
Potassium	ppm	ASTM D5185m	>20	1	3	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	4	5	---
Boron	ppm	ASTM D5185m		54	63	---
Barium	ppm	ASTM D5185m		6	6	---
Molybdenum	ppm	ASTM D5185m		99	103	---
Manganese	ppm	ASTM D5185m		6	7	---
Magnesium	ppm	ASTM D5185m		16	16	---
Calcium	ppm	ASTM D5185m		4004	4284	---
Phosphorus	ppm	ASTM D5185m		1174	1187	---
Zinc	ppm	ASTM D5185m		1283	1362	---
Sulfur	ppm	ASTM D5185m		8027	9761	---
Visc @ 40°C	cSt	ASTM D445	117	63.2	64.3	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047361 **Received** : 17 Jan 2024
Lab Number : 06063848 **Diagnosed** : 20 Jan 2024
Unique Number : 10835230 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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 MARIETTA, OH
 US 45750-9765
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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)