



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Area
Store 3 - Norton
Machine Id
JOHN DEERE 250G EX45 (S/N F610651)
Component
Pump Drive
Fluid
GEAR OIL SAE 90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

WEAR

Gear wear is indicated. All other component wear rates are normal.

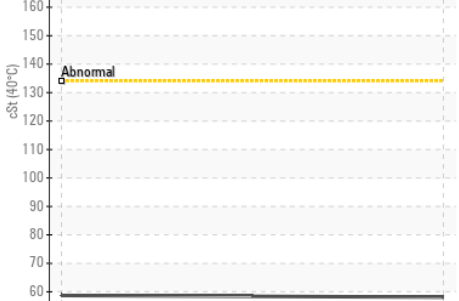
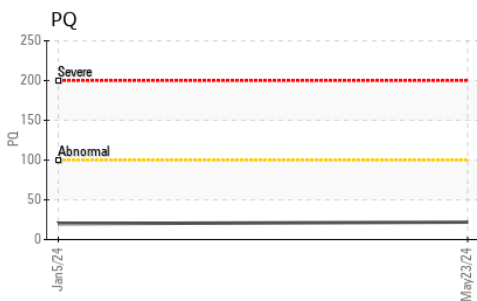
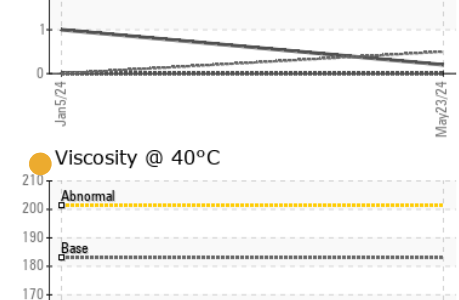
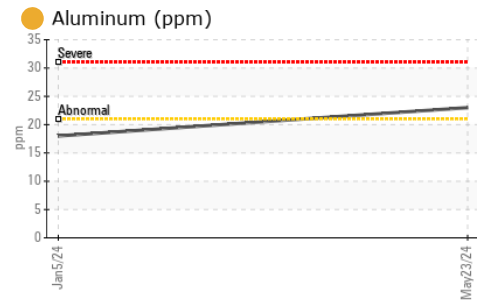
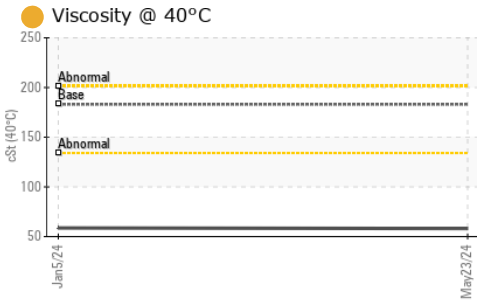
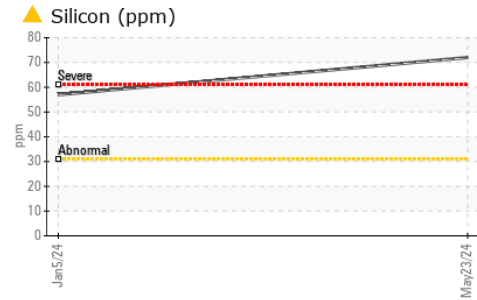
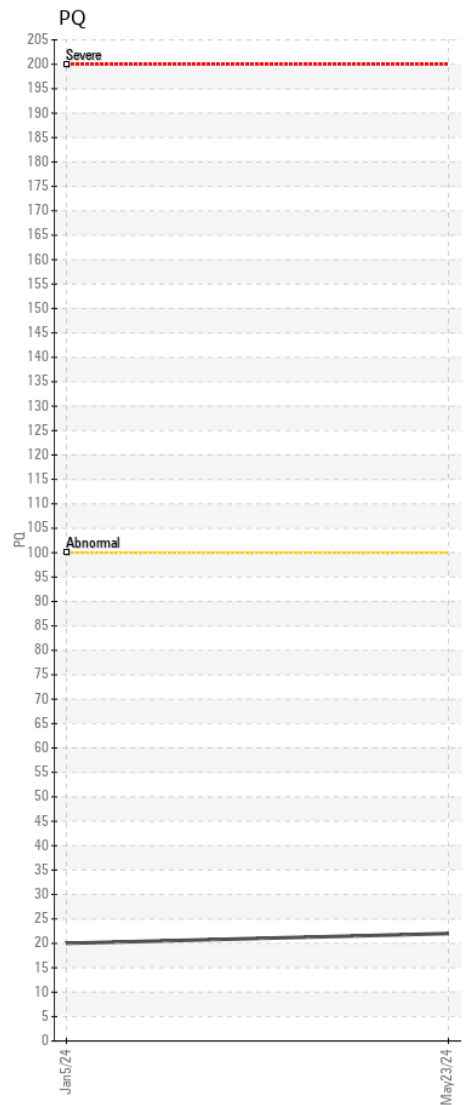
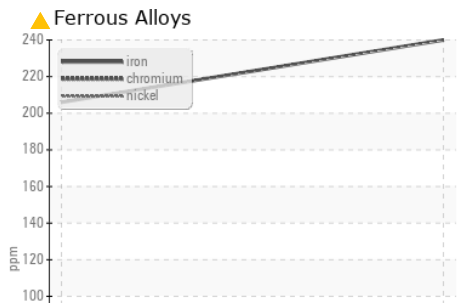
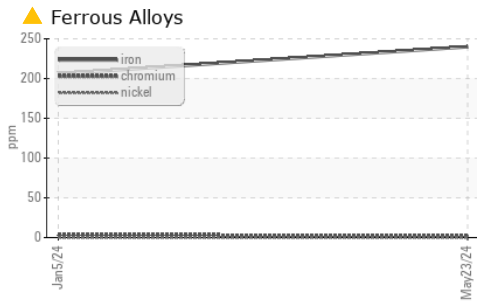
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049032	LEC0047683	---
Sample Date		Client Info		23 May 2024	05 Jan 2024	---
Machine Age	hrs	Client Info		5542	4605	---
Oil Age	hrs	Client Info		500	1000	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---
PQ		ASTM D8184		22	20	---
Iron	ppm	ASTM D5185m	>151	▲ 240	▲ 206	---
Chromium	ppm	ASTM D5185m	>11	3	3	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		2	2	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>21	● 23	● 18	---
Lead	ppm	ASTM D5185m	>51	0	0	---
Copper	ppm	ASTM D5185m	>51	<1	1	---
Tin	ppm	ASTM D5185m	>4	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>31	▲ 72	▲ 57	---
Potassium	ppm	ASTM D5185m	>20	5	7	---
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	---
Sodium	ppm	ASTM D5185m	>51	4	4	---
Boron	ppm	ASTM D5185m	400	70	55	---
Barium	ppm	ASTM D5185m	200	2	2	---
Molybdenum	ppm	ASTM D5185m	12	86	87	---
Manganese	ppm	ASTM D5185m		4	3	---
Magnesium	ppm	ASTM D5185m	12	280	340	---
Calcium	ppm	ASTM D5185m	150	2580	2803	---
Phosphorus	ppm	ASTM D5185m	1650	1187	1279	---
Zinc	ppm	ASTM D5185m	125	1256	1457	---
Sulfur	ppm	ASTM D5185m	22500	6544	6059	---
Visc @ 40°C	cSt	ASTM D445	183	● 58.1	● 58.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049032 **Received** : 31 May 2024
Lab Number : 06197017 **Tested** : 03 Jun 2024
Unique Number : 11059140 **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)

LANE PIPELINE
 2946 E MAIN ST
 BRIDGEPORT, WV
 US 26330

Contact: JESSE WILBURN
 jessewilburn@gmail.com

T: (740)440-0927

F: