



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL



Area
Store 4 - Fairmont [RO# 152218]
Machine Id
JOHN DEERE 325G 1T0325GMJKJ349749
Component
Left Drive Chain Case
Fluid
JOHN DEERE GL-5 80W90 (27 Oz)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0051058	---	---
Sample Date		Client Info		19 Jun 2024	---	---
Machine Age	hrs	Client Info		2368	---	---
Oil Age	hrs	Client Info		1000	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---

WEAR

Gear wear is indicated.

PQ		ASTM D8184		98	---	---
Iron	ppm	ASTM D5185m	>200	▲ 2456	---	---
Chromium	ppm	ASTM D5185m	>10	▲ 27	---	---
Nickel	ppm	ASTM D5185m	>10	▲ 18	---	---
Titanium	ppm	ASTM D5185m		6	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m		● 66	---	---
Lead	ppm	ASTM D5185m		1	---	---
Copper	ppm	ASTM D5185m		4	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		2	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

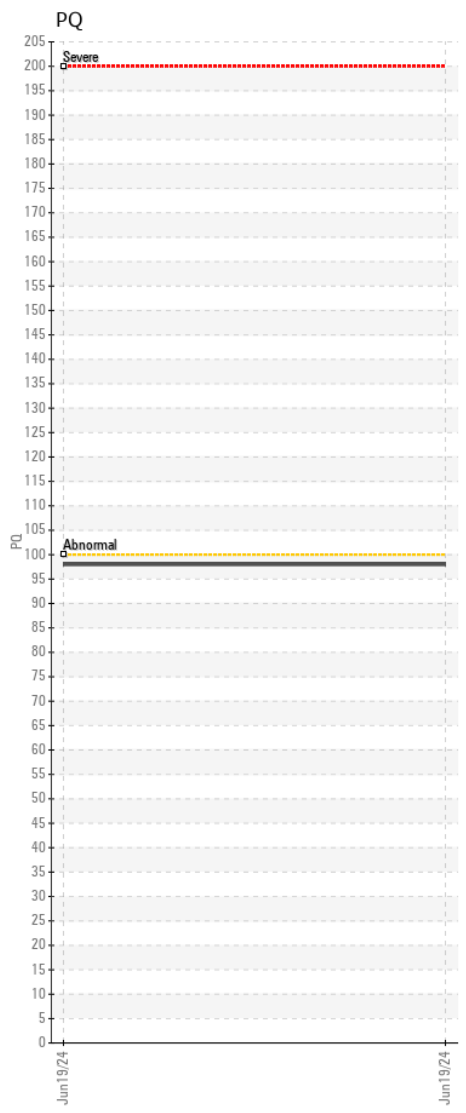
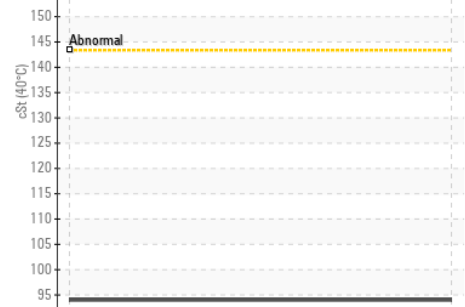
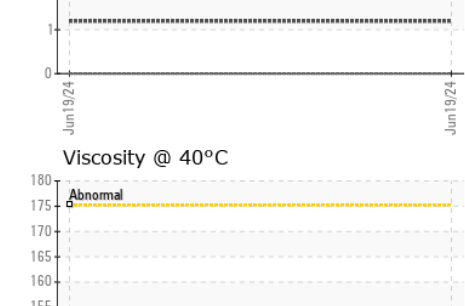
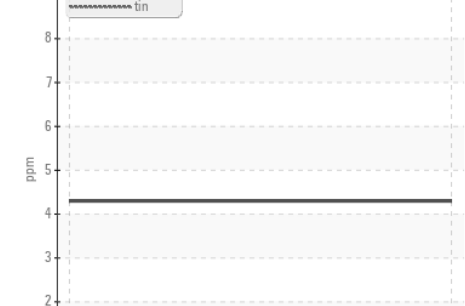
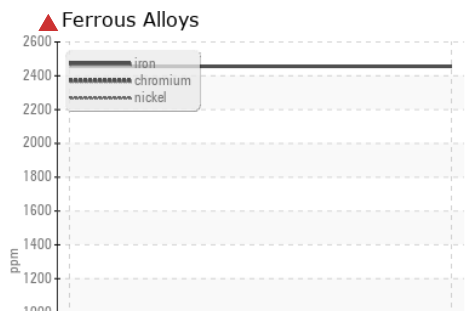
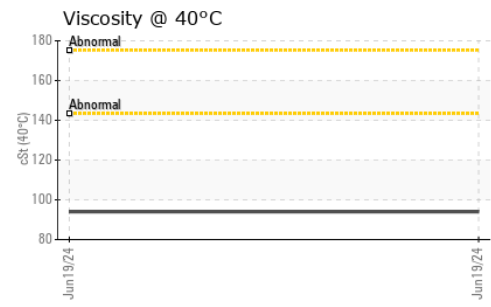
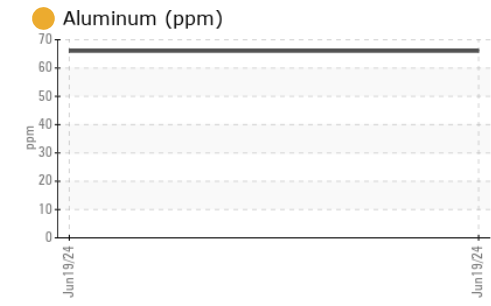
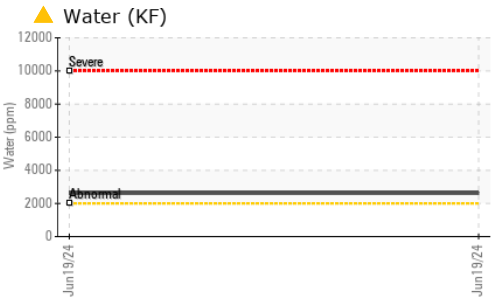
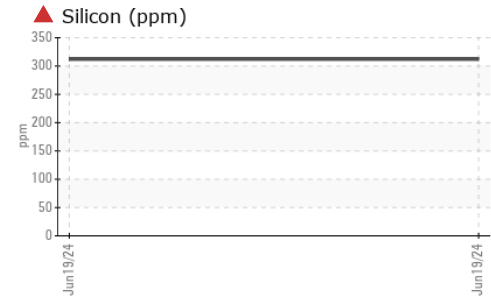
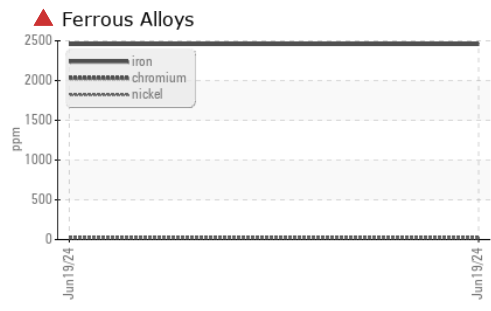
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m		▲ 312	---	---
Potassium	ppm	ASTM D5185m	>20	31	---	---
Water	%	ASTM D6304	>0.2	▲ 0.262	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 2620	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%	---	---

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m		7	---	---
Boron	ppm	ASTM D5185m		28	---	---
Barium	ppm	ASTM D5185m		5	---	---
Molybdenum	ppm	ASTM D5185m		8	---	---
Manganese	ppm	ASTM D5185m		20	---	---
Magnesium	ppm	ASTM D5185m		105	---	---
Calcium	ppm	ASTM D5185m		3134	---	---
Phosphorus	ppm	ASTM D5185m		775	---	---
Zinc	ppm	ASTM D5185m		898	---	---
Sulfur	ppm	ASTM D5185m		3449	---	---
Visc @ 40°C	cSt	ASTM D445		94.0	---	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051058 **Received** : 24 Jun 2024
Lab Number : 06218545 **Tested** : 25 Jun 2024
Unique Number : 11096742 **Diagnosed** : 26 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF, PQ)

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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)