



# OIL ANALYSIS REPORT

WEAR	<b>SEVERE</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**Store 6 - Ashland [152441]**  
Machine Id  
**JOHN DEERE 325G 1T0325GKHNJ427697**  
Component  
**Left Propel Gearbox**  
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. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0044660	---	---
Sample Date		Client Info		25 Jun 2024	---	---
Machine Age	hrs	Client Info		533	---	---
Oil Age	hrs	Client Info		533	---	---
Filter Age	hrs	Client Info		533	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---

## WEAR

Gear wear is indicated.

PQ		ASTM D8184		406	---	---
Iron	ppm	ASTM D5185m	>1250	▲ 3586	---	---
Chromium	ppm	ASTM D5185m	>10	▲ 52	---	---
Nickel	ppm	ASTM D5185m	>10	▲ 11	---	---
Titanium	ppm	ASTM D5185m		▲ 13	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		▲ 151	---	---
Lead	ppm	ASTM D5185m		<1	---	---
Copper	ppm	ASTM D5185m		4	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

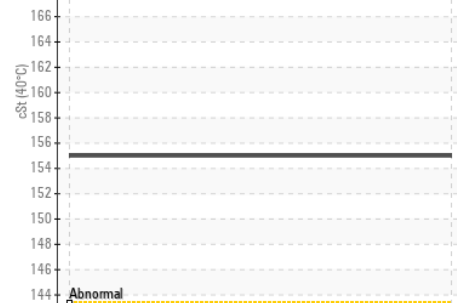
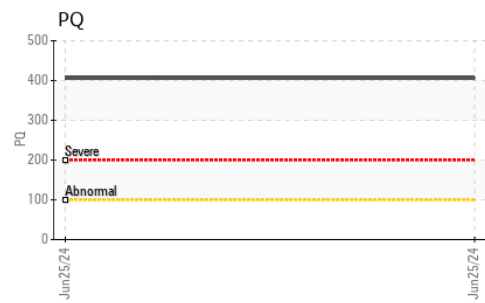
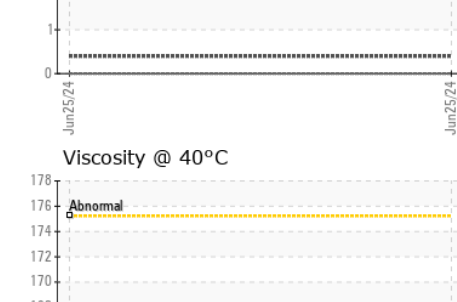
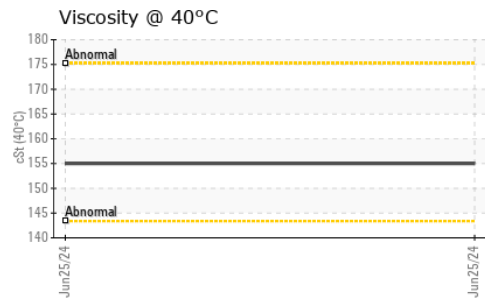
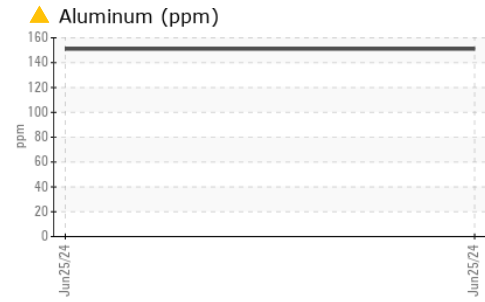
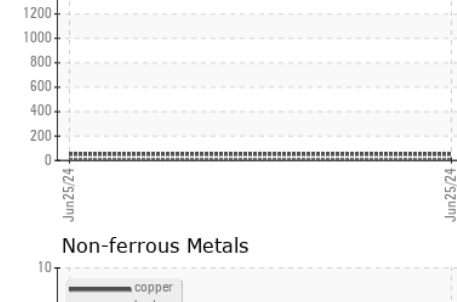
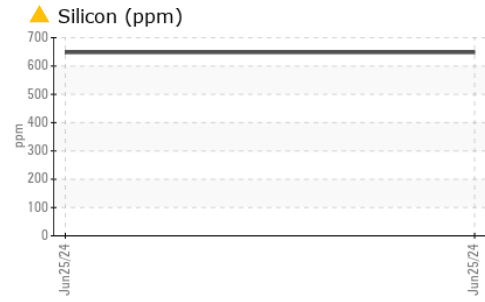
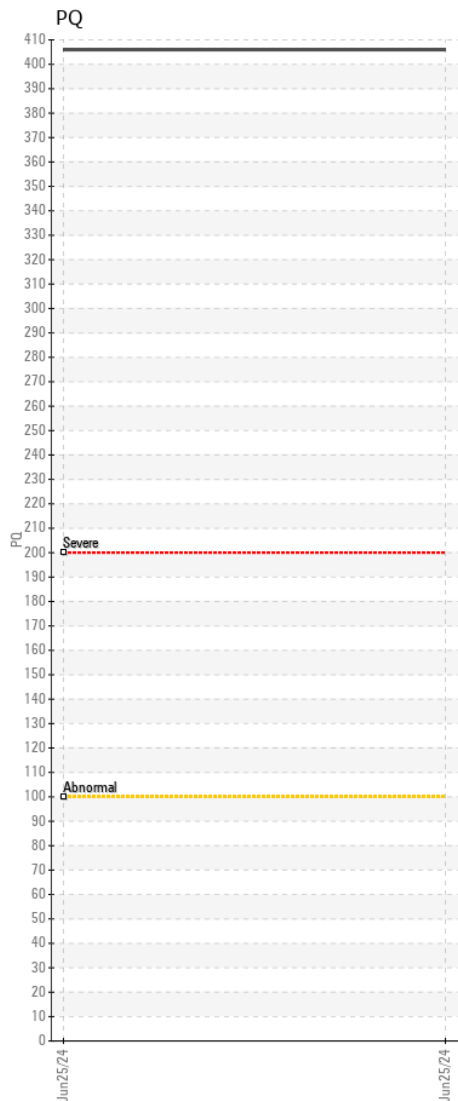
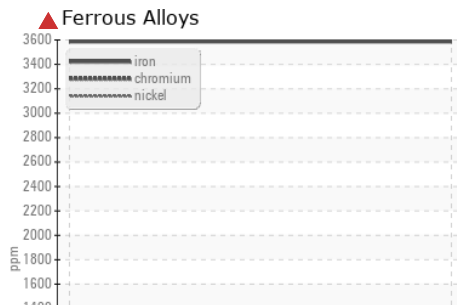
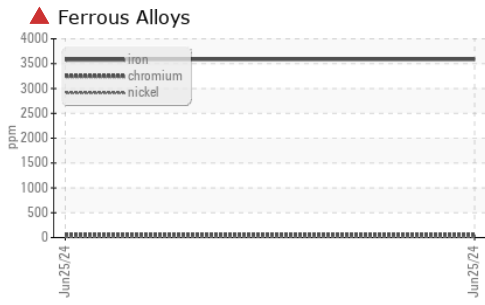
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m		▲ 648	---	---
Potassium	ppm	ASTM D5185m	>20	117	---	---
Water		WC Method	>0.2	NEG	---	---
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	NEG	---	---

## FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m		18	---	---
Boron	ppm	ASTM D5185m		9	---	---
Barium	ppm	ASTM D5185m		67	---	---
Molybdenum	ppm	ASTM D5185m		5	---	---
Manganese	ppm	ASTM D5185m		33	---	---
Magnesium	ppm	ASTM D5185m		16	---	---
Calcium	ppm	ASTM D5185m		64	---	---
Phosphorus	ppm	ASTM D5185m		277	---	---
Zinc	ppm	ASTM D5185m		25	---	---
Sulfur	ppm	ASTM D5185m		17392	---	---
Visc @ 40°C	cSt	ASTM D445		155	---	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0044660 **Received** : 27 Jun 2024  
**Lab Number** : 06222526 **Tested** : 28 Jun 2024  
**Unique Number** : 11100723 **Diagnosed** : 28 Jun 2024 - Angela Borella  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.com  
 T:  
 F: (740)373-5570

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)