



# OIL ANALYSIS REPORT

WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

## Store 9 - Marietta

Machine Id  
**JOHN DEERE 333G E131 (S/N JF333009)**

Component  
**Right Final Drive**  
Fluid  
**GEAR OIL SAE 90 (--- GAL)**

### 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.

### WEAR

All component wear rates are normal.

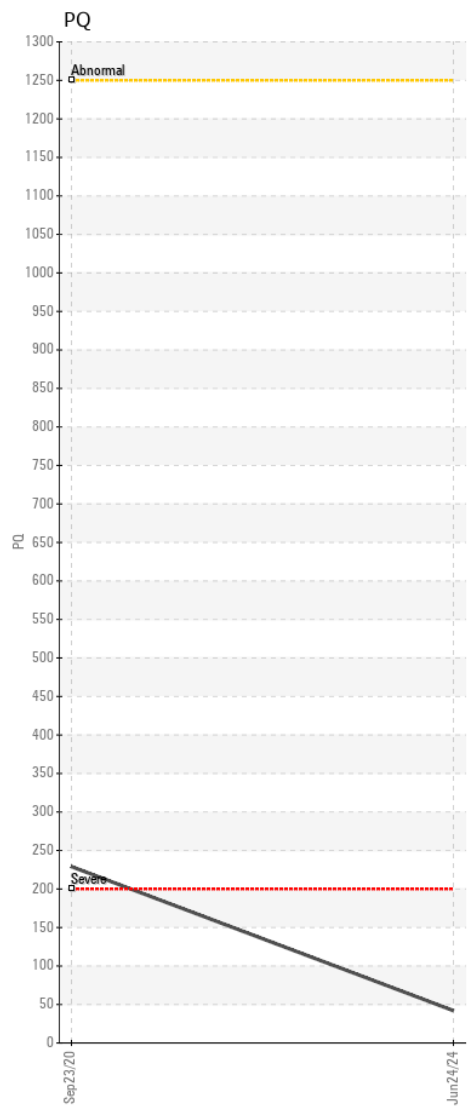
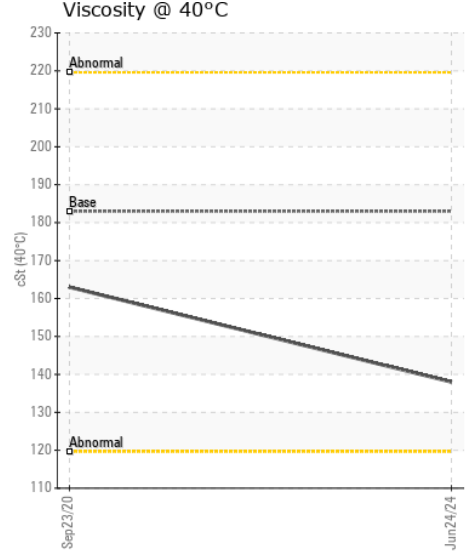
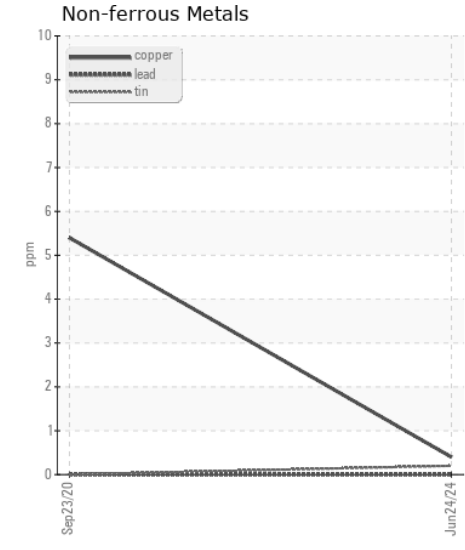
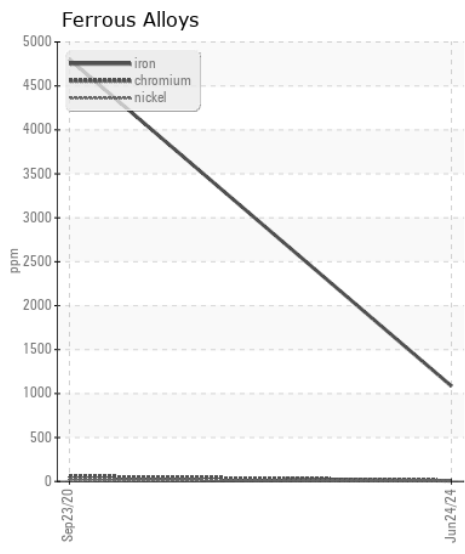
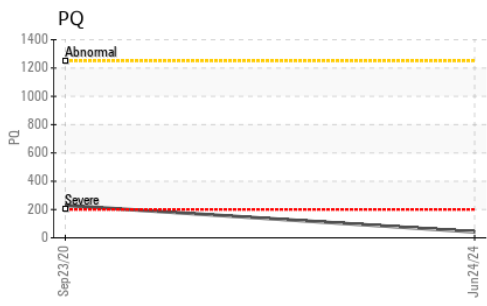
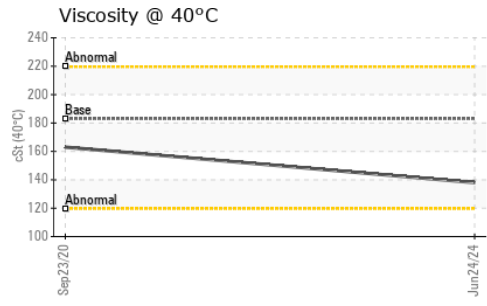
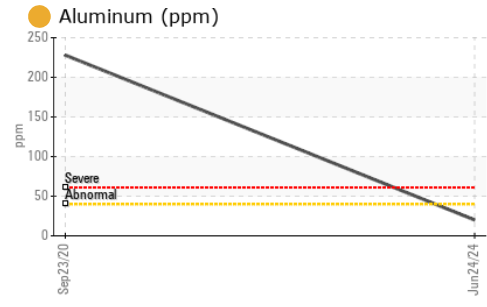
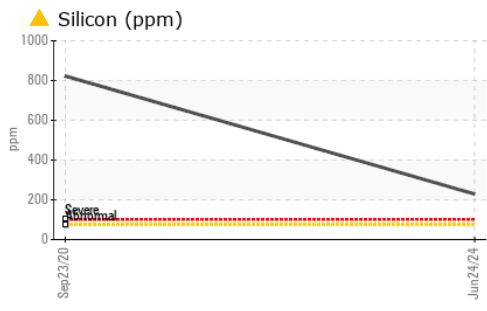
### CONTAMINATION

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

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049256	LEC0014498	---
Sample Date		Client Info		24 Jun 2024	23 Sep 2020	---
Machine Age	hrs	Client Info		1751	575	---
Oil Age	hrs	Client Info		1000	575	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				ABNORMAL	SEVERE	---
PQ		ASTM D8184	>1250	42	229	---
Iron	ppm	ASTM D5185m	>750	1085	▲ 4803	---
Chromium	ppm	ASTM D5185m	>9	8	▲ 57	---
Nickel	ppm	ASTM D5185m	>10	6	22	---
Titanium	ppm	ASTM D5185m		1	16	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	● 20	● 228	---
Lead	ppm	ASTM D5185m	>15	0	0	---
Copper	ppm	ASTM D5185m	>40	<1	5	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	3	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	▲ 229	▲ 823	---
Potassium	ppm	ASTM D5185m	>20	6	91	---
Water		WC Method	>0.075	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	>0.075	NEG	NEG	---
Sodium	ppm	ASTM D5185m	>51	3	26	---
Boron	ppm	ASTM D5185m	400	25	79	---
Barium	ppm	ASTM D5185m	200	4	63	---
Molybdenum	ppm	ASTM D5185m	12	2	0	---
Manganese	ppm	ASTM D5185m		7	45	---
Magnesium	ppm	ASTM D5185m	12	21	52	---
Calcium	ppm	ASTM D5185m	150	414	168	---
Phosphorus	ppm	ASTM D5185m	1650	634	712	---
Zinc	ppm	ASTM D5185m	125	23	72	---
Sulfur	ppm	ASTM D5185m	22500	18985	58780	---
Visc @ 40°C	cSt	ASTM D445	183	138	163	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0049256 **Received** : 03 Jul 2024  
**Lab Number** : 06227754 **Tested** : 05 Jul 2024  
**Unique Number** : 11111247 **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)