



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**JOHN DEERE 2008888 (S/N 1ff210gxInf530406)**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (9 QTS)**

### RECOMMENDATION

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		JR0226157	---	---
Sample Date		Client Info		02 Jul 2024	---	---
Machine Age	hrs	Client Info		2025	---	---
Oil Age	hrs	Client Info		2025	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	254	---	---
Iron	ppm	ASTM D5185m	>750	575	---	---
Chromium	ppm	ASTM D5185m	>9	8	---	---
Nickel	ppm	ASTM D5185m	>10	1	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	17	---	---
Lead	ppm	ASTM D5185m	>15	0	---	---
Copper	ppm	ASTM D5185m	>40	2	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

### CONTAMINATION

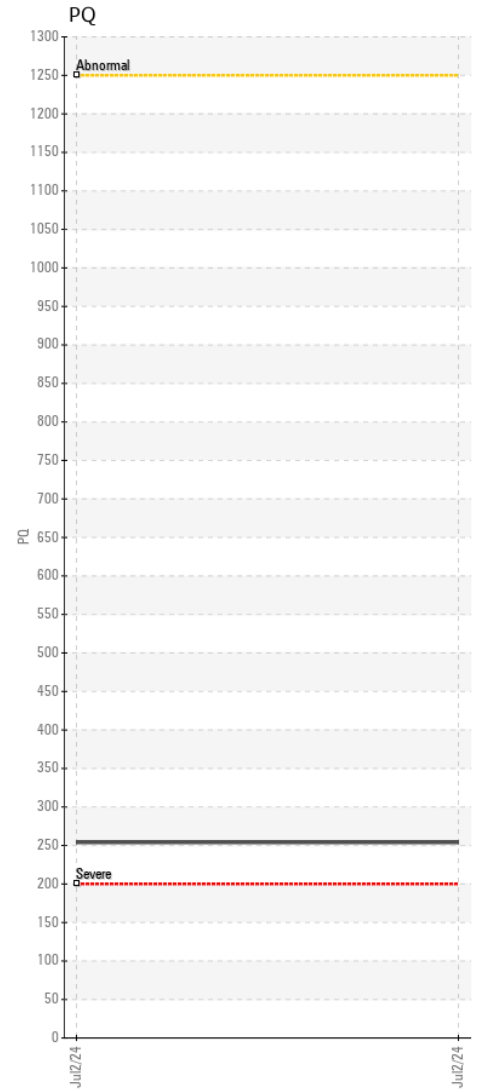
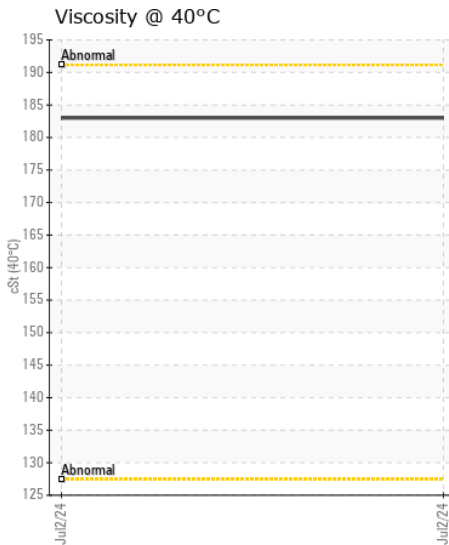
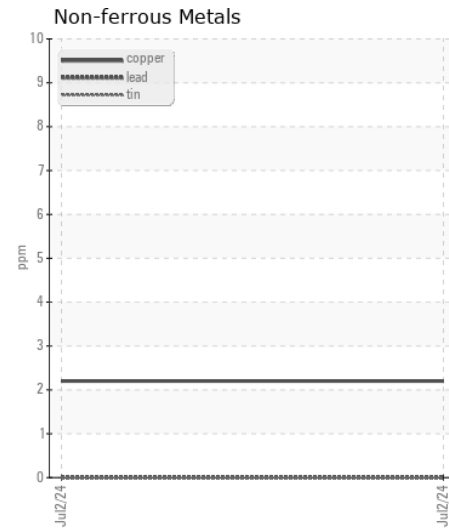
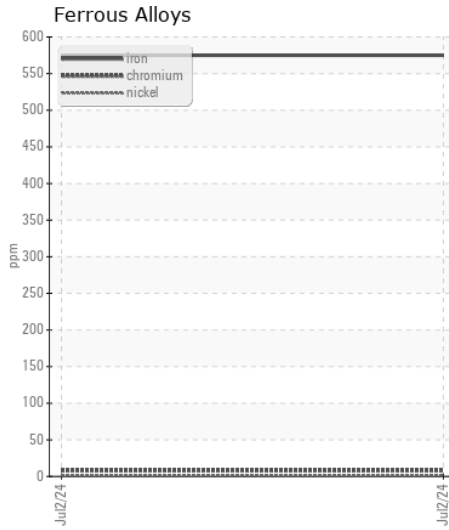
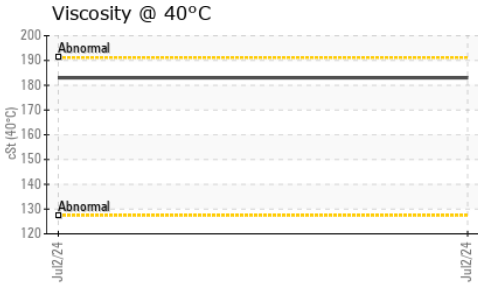
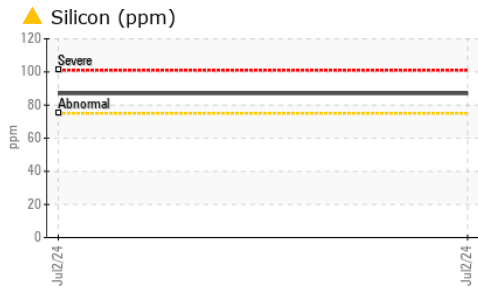
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>75	▲ 87	---	---
Potassium	ppm	ASTM D5185m	>20	6	---	---
Water		WC Method	>0.075	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	>0.075	NEG	---	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	4	---	---
Boron	ppm	ASTM D5185m		46	---	---
Barium	ppm	ASTM D5185m		8	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		10	---	---
Magnesium	ppm	ASTM D5185m		<1	---	---
Calcium	ppm	ASTM D5185m		18	---	---
Phosphorus	ppm	ASTM D5185m		521	---	---
Zinc	ppm	ASTM D5185m		26	---	---
Sulfur	ppm	ASTM D5185m		17363	---	---
Visc @ 40°C	cSt	ASTM D445		183	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0226157

**Lab Number** : 06228924

**Unique Number** : 11112417

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 05 Jul 2024

**Tested** : 08 Jul 2024

**Diagnosed** : 08 Jul 2024 - Don Baldrige

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)

**JRE - GREENVILLE**

3604 HIGHWAY 264 E

GREENVILLE, NC

US 27834-5800

Contact: Jeffrey Moore

jeffrey.moore@jamesriverequipment.com

T:

F: