



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
C315779 (S/N 1FF160GXTNF058745)
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0192821	JR0151092	---
Sample Date		Client Info		20 Feb 2024	15 Dec 2023	---
Machine Age	hrs	Client Info		1587	1532	---
Oil Age	hrs	Client Info		1587	1532	---
Filter Age	hrs	Client Info		0	1532	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		312	294	---
Iron	ppm	ASTM D5185m	>500	409	269	---
Chromium	ppm	ASTM D5185m	>10	7	5	---
Nickel	ppm	ASTM D5185m	>10	2	1	---
Titanium	ppm	ASTM D5185m		8	2	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	▲ 109	▲ 28	---
Lead	ppm	ASTM D5185m	>25	<1	0	---
Copper	ppm	ASTM D5185m	>50	2	<1	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

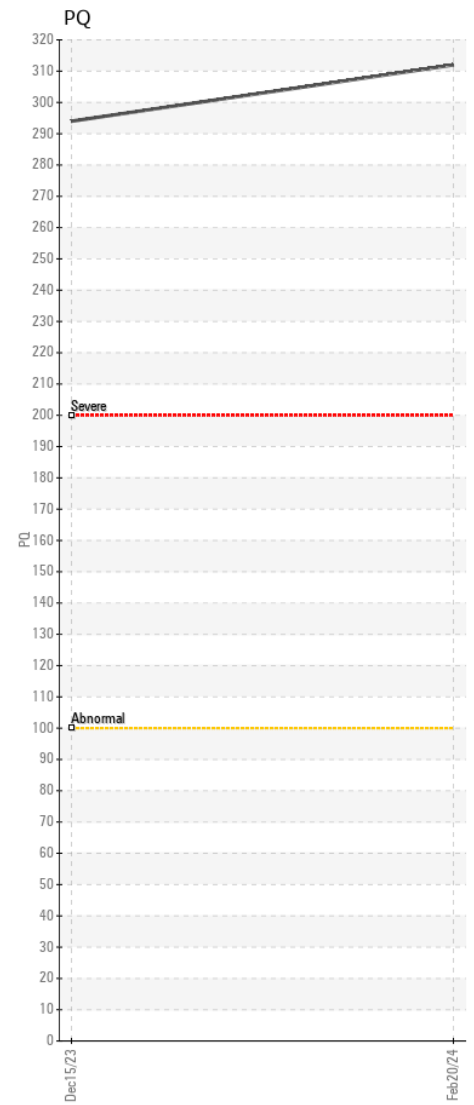
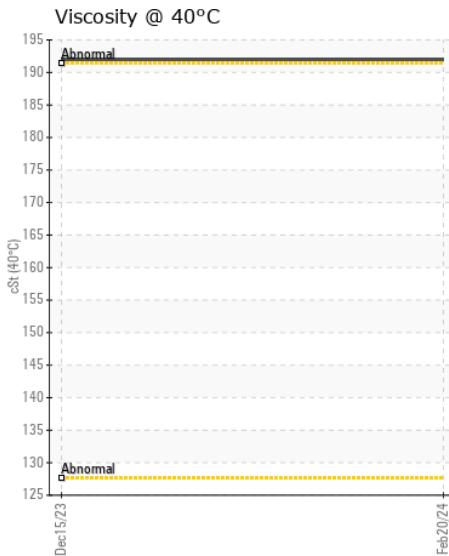
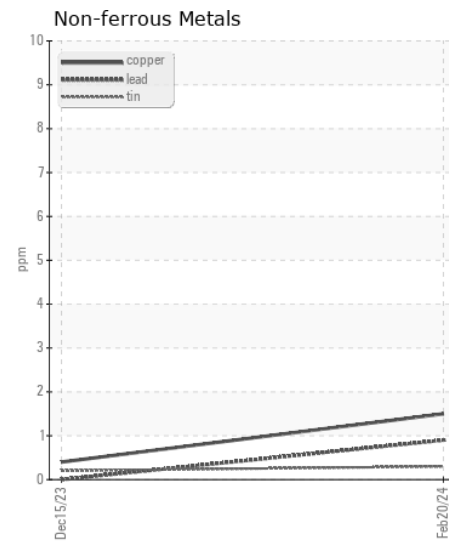
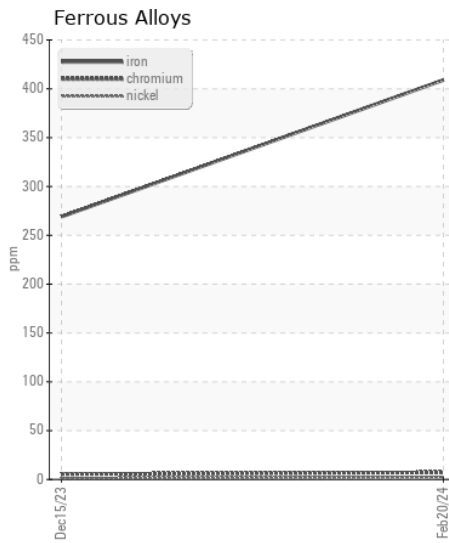
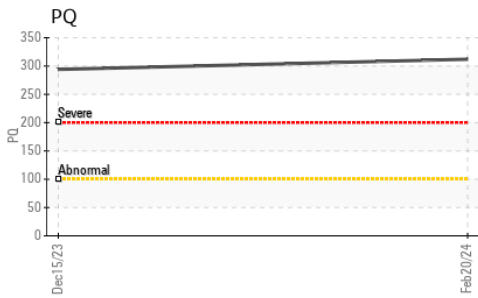
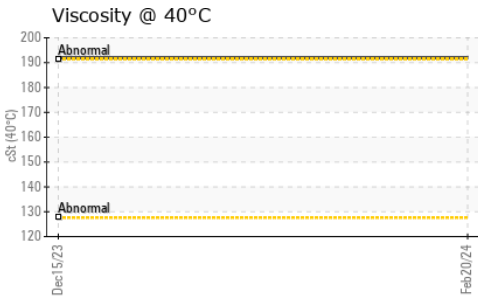
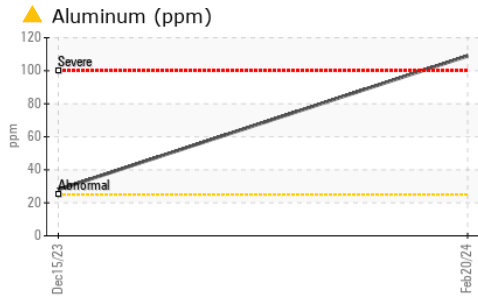
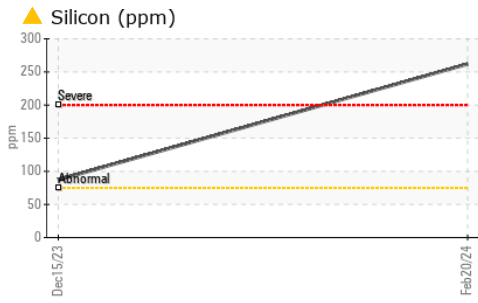
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 262	▲ 87	---
Potassium	ppm	ASTM D5185m	>20	16	10	---
Water		WC Method	>0.2	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	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	3	---
Boron	ppm	ASTM D5185m		78	86	---
Barium	ppm	ASTM D5185m		12	6	---
Molybdenum	ppm	ASTM D5185m		1	0	---
Manganese	ppm	ASTM D5185m		16	13	---
Magnesium	ppm	ASTM D5185m		14	1	---
Calcium	ppm	ASTM D5185m		42	26	---
Phosphorus	ppm	ASTM D5185m		451	522	---
Zinc	ppm	ASTM D5185m		40	32	---
Sulfur	ppm	ASTM D5185m		14485	15031	---
Visc @ 40°C	cSt	ASTM D445		192	192	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0192821 **Received** : 22 Feb 2024
Lab Number : 06097966 **Tested** : 23 Feb 2024
Unique Number : 10896196 **Diagnosed** : 25 Feb 2024 - Don Baldrige
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)

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