



WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area
[W52680]

Machine Id
JOHN DEERE 245G 1FF245GXLJF800636

Component
Right Final Drive

Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

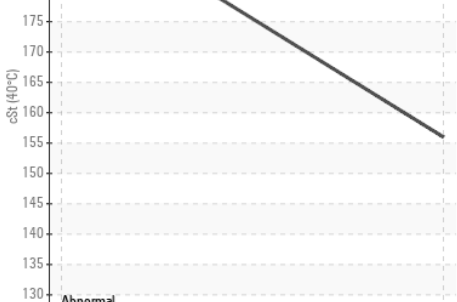
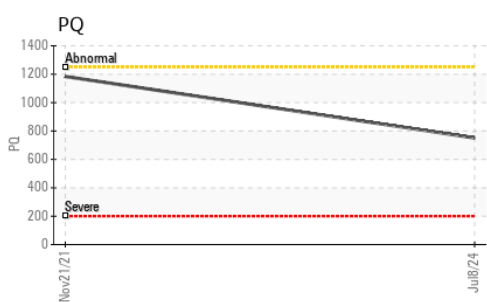
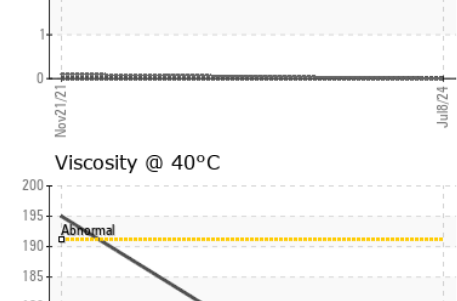
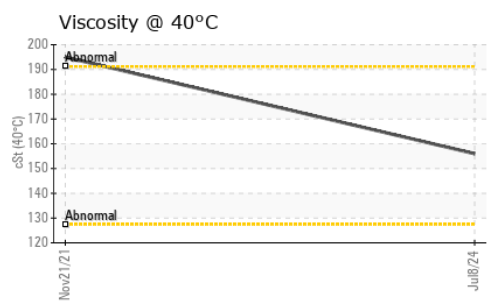
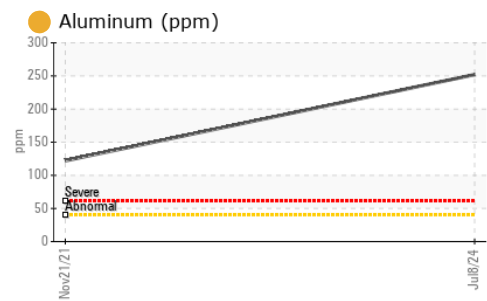
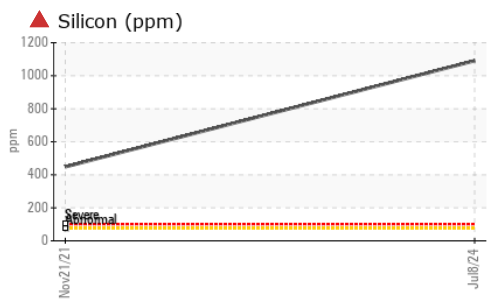
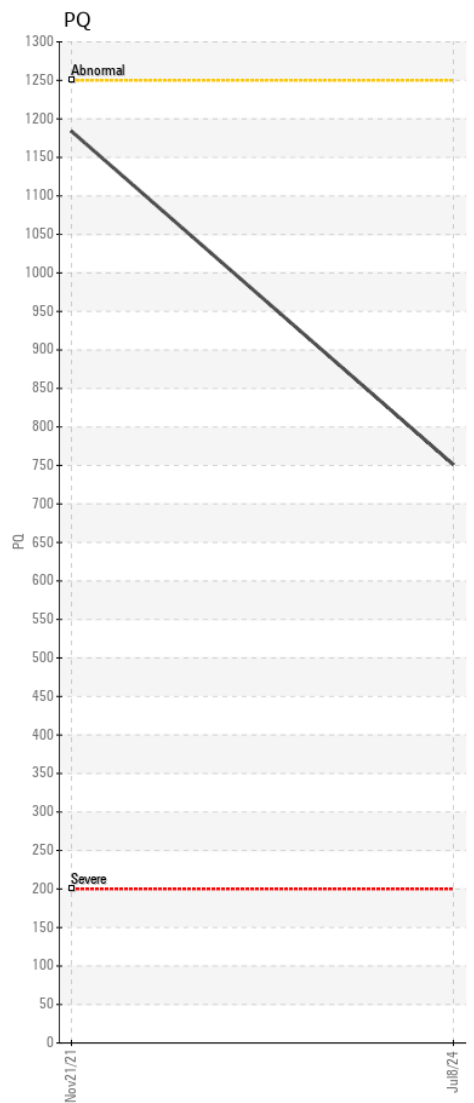
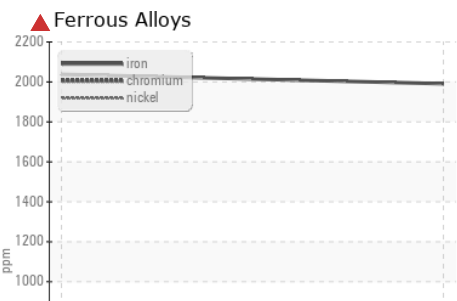
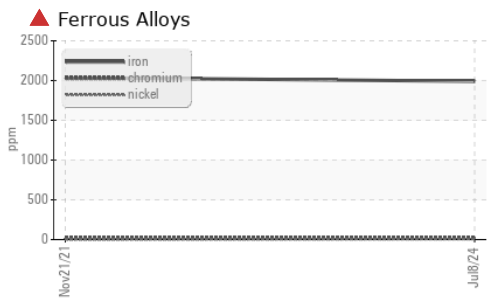
CONTAMINATION

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

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0224547	JR0106309	---
Sample Date		Client Info		08 Jul 2024	21 Nov 2021	---
Machine Age	hrs	Client Info		5657	3984	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				SEVERE	SEVERE	---
PQ		ASTM D8184	>1250	751	1184	---
Iron	ppm	ASTM D5185m	>750	▲ 1991	▲ 2038	---
Chromium	ppm	ASTM D5185m	>9	▲ 17	▲ 21	---
Nickel	ppm	ASTM D5185m	>10	6	1	---
Titanium	ppm	ASTM D5185m		25	6	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	● 252	● 122	---
Lead	ppm	ASTM D5185m	>15	0	0	---
Copper	ppm	ASTM D5185m	>40	4	4	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	MODER	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	▲ 1091	▲ 448	---
Potassium	ppm	ASTM D5185m	>20	31	24	---
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	12	2	---
Boron	ppm	ASTM D5185m		23	64	---
Barium	ppm	ASTM D5185m		3	0	---
Molybdenum	ppm	ASTM D5185m		4	1	---
Manganese	ppm	ASTM D5185m		17	21	---
Magnesium	ppm	ASTM D5185m		22	0	---
Calcium	ppm	ASTM D5185m		43	89	---
Phosphorus	ppm	ASTM D5185m		371	451	---
Zinc	ppm	ASTM D5185m		32	17	---
Sulfur	ppm	ASTM D5185m		24643	15894	---
Visc @ 40°C	cSt	ASTM D445		156	195	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0224547 **Received** : 09 Jul 2024
Lab Number : 06231639 **Tested** : 10 Jul 2024
Unique Number : 11115132 **Diagnosed** : 11 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: 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)