



Machine Id
JOHN DEERE 350G 1FF350GXEJF812387
Component
Right Final Drive
Fluid
JOHN DEERE GL-5 80W90 (3 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220262	JR0178340	JR0155465
Sample Date		Client Info		24 Jun 2024	22 Aug 2023	17 Jan 2023
Machine Age	hrs	Client Info		3951	3484	3229
Oil Age	hrs	Client Info		3180	2968	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	96	107	39
Iron	ppm	ASTM D5185m	>750	241	189	61
Chromium	ppm	ASTM D5185m	>9	2	4	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		<1	1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	7	8	<1
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	MODER	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

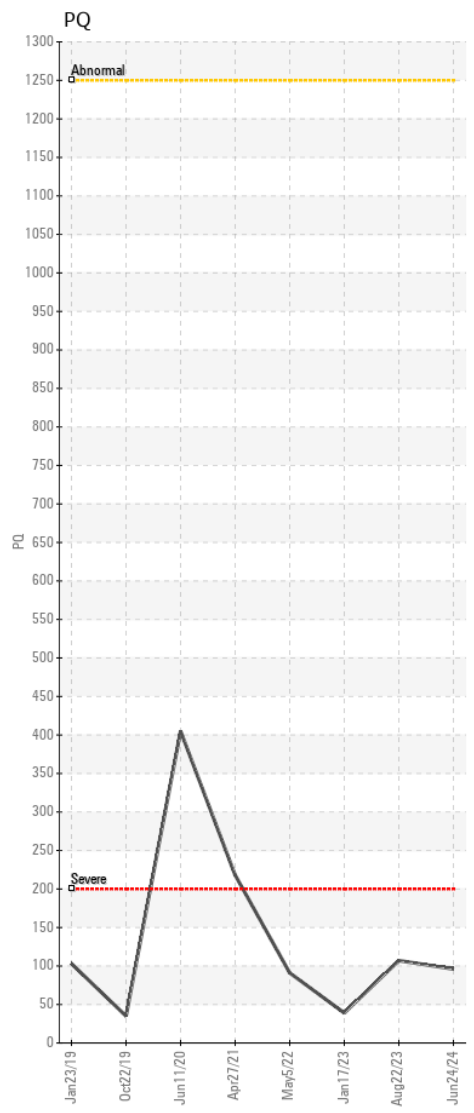
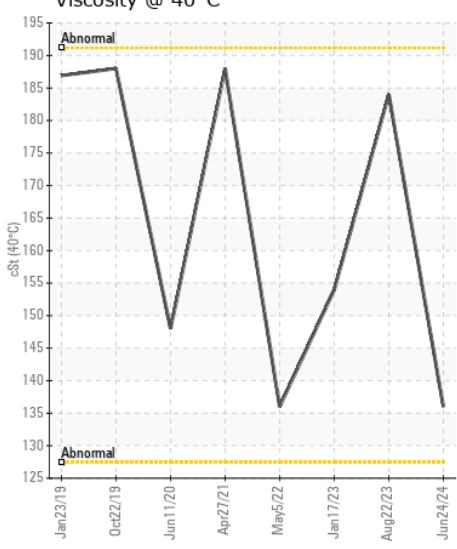
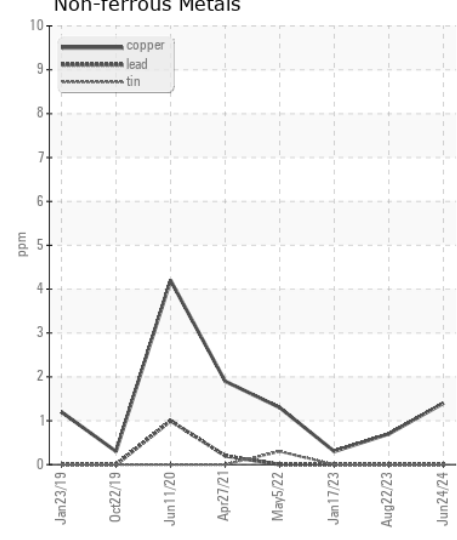
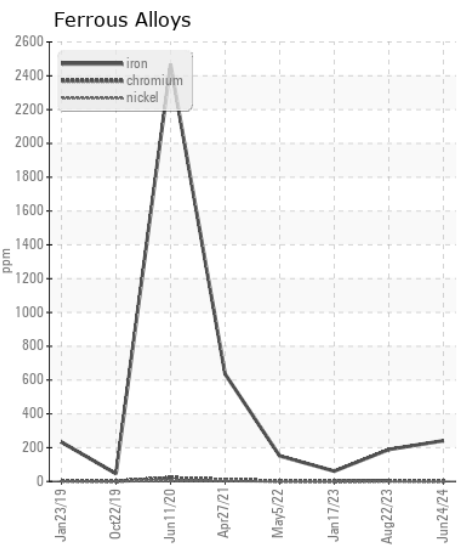
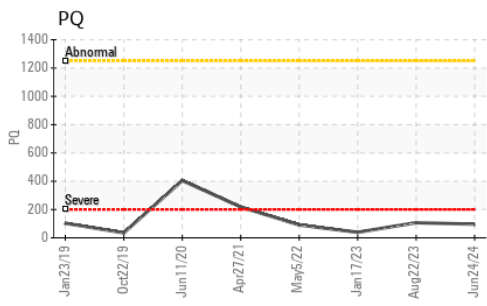
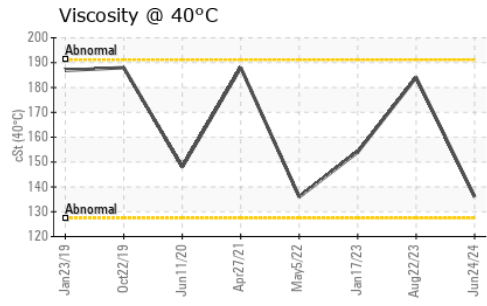
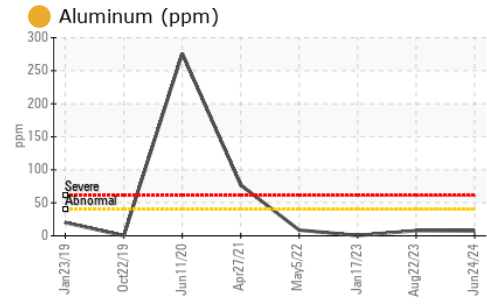
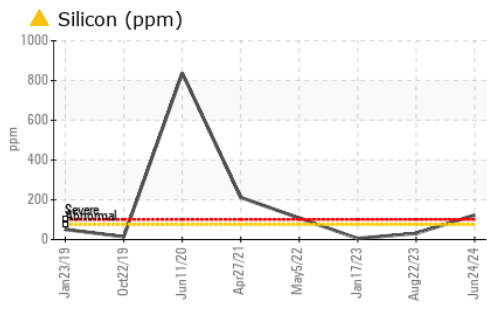
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	123	31	6
Potassium	ppm	ASTM D5185m	>20	<1	6	0
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	3	1	0
Boron	ppm	ASTM D5185m		3	56	6
Barium	ppm	ASTM D5185m		<1	3	0
Molybdenum	ppm	ASTM D5185m		<1	2	<1
Manganese	ppm	ASTM D5185m		3	4	<1
Magnesium	ppm	ASTM D5185m		5	13	3
Calcium	ppm	ASTM D5185m		158	29	15
Phosphorus	ppm	ASTM D5185m		262	514	323
Zinc	ppm	ASTM D5185m		40	78	0
Sulfur	ppm	ASTM D5185m		19928	17354	20082
Visc @ 40°C	cSt	ASTM D445		136	184	154



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220262 **Received** : 26 Jun 2024
Lab Number : 06221488 **Tested** : 27 Jun 2024
Unique Number : 11099685 **Diagnosed** : 28 Jun 2024 - Sean Felton
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)