



WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 350G 1FF350GXPLF814289

Component
Right Final Drive

Fluid
GEAR OIL SAE 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.

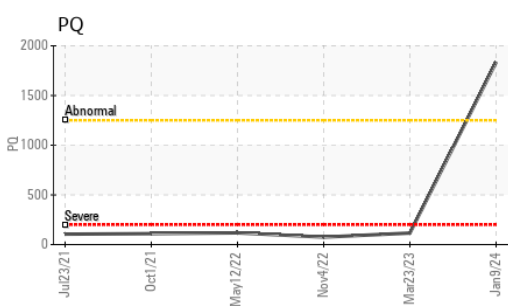
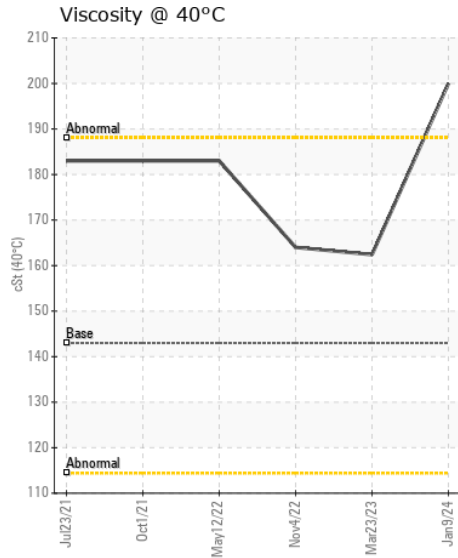
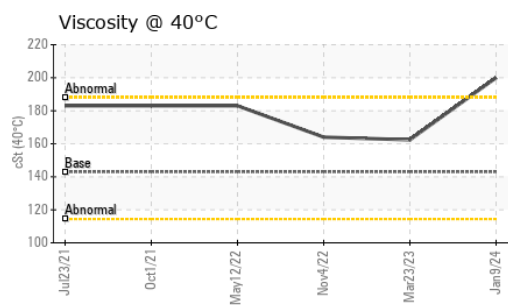
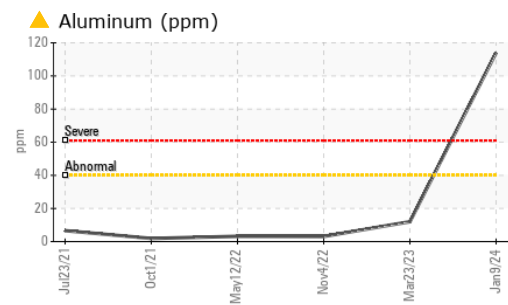
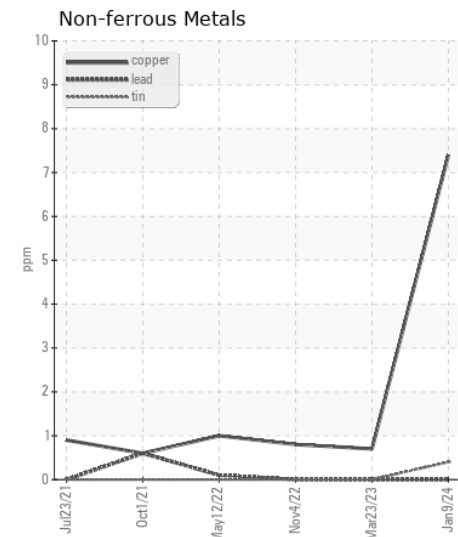
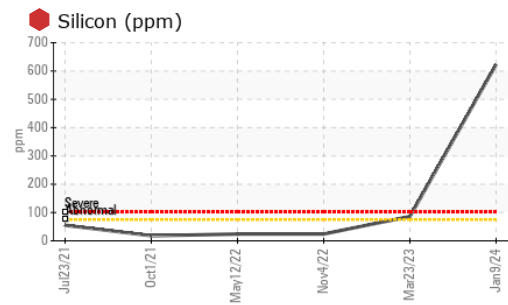
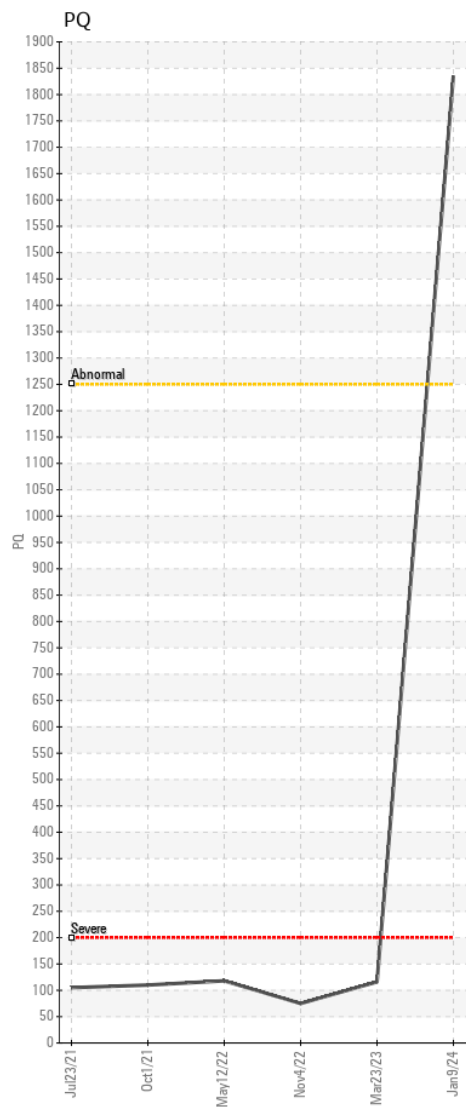
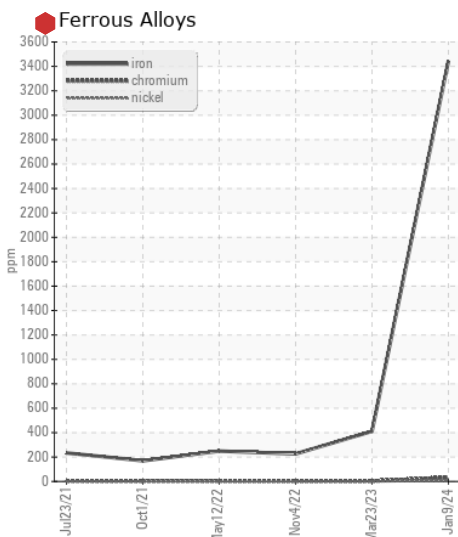
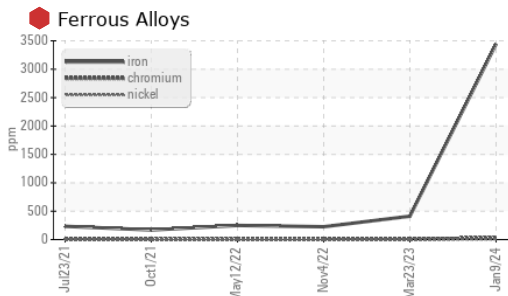
CONTAMINATION

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		JR0198384	JR0163570	JR0146174
Sample Date		Client Info		09 Jan 2024	23 Mar 2023	04 Nov 2022
Machine Age	hrs	Client Info		4522	3202	2620
Oil Age	hrs	Client Info		3393	2655	547
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	NORMAL
PQ		ASTM D8184	>1250	1835	116	75
Iron	ppm	ASTM D5185m	>750	3444	411	226
Chromium	ppm	ASTM D5185m	>9	33	3	4
Nickel	ppm	ASTM D5185m	>10	6	<1	0
Titanium	ppm	ASTM D5185m		11	1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	114	12	3
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	7	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		1	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	623	86	24
Potassium	ppm	ASTM D5185m	>20	5	2	2
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
Sodium	ppm	ASTM D5185m	>170	2	<1	0
Boron	ppm	ASTM D5185m	400	37	163	34
Barium	ppm	ASTM D5185m	200	3	0	2
Molybdenum	ppm	ASTM D5185m	12	1	2	<1
Manganese	ppm	ASTM D5185m		33	3	4
Magnesium	ppm	ASTM D5185m	12	5	227	5
Calcium	ppm	ASTM D5185m	150	43	26	57
Phosphorus	ppm	ASTM D5185m	1650	385	1830	493
Zinc	ppm	ASTM D5185m	125	30	12	34
Sulfur	ppm	ASTM D5185m	22500	18637	23149	19205
Visc @ 40°C	cSt	ASTM D445	143	200	162.4	164



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0198384 **Received** : 12 Jan 2024
Lab Number : 06059474 **Diagnosed** : 15 Jan 2024
Unique Number : 10830856 **Diagnostician** : 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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