



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 350G 1FF350GXPKE814078
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- QTS)

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. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0006888	WE0005004	WE0004045
Sample Date		Client Info		11 Apr 2024	13 Sep 2023	11 Apr 2023
Machine Age	hrs	Client Info		0	3491	2937
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE

WEAR

Gear wear is indicated.

PQ		ASTM D8184	>1250	669	123	244
Iron	ppm	ASTM D5185m	>750	▲ 2292	▲ 1270	▲ 1251
Chromium	ppm	ASTM D5185m	>9	▲ 17	▲ 9	▲ 12
Nickel	ppm	ASTM D5185m	>10	7	6	4
Titanium	ppm	ASTM D5185m		10	3	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	● 76	● 45	● 44
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	4	3	2
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	▲ MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

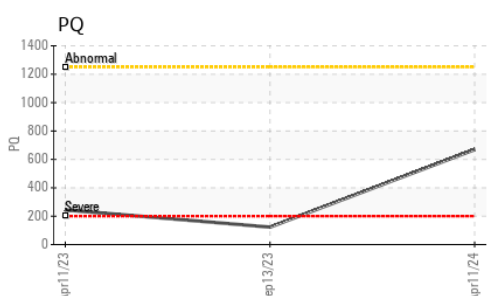
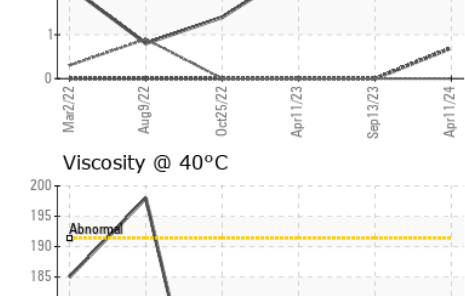
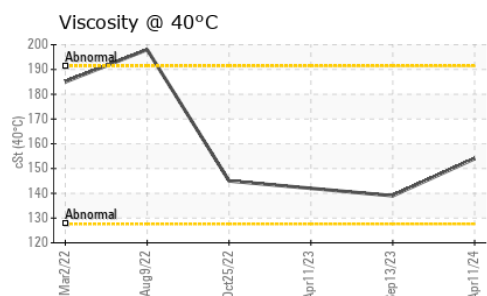
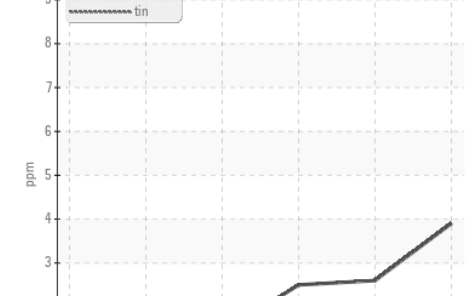
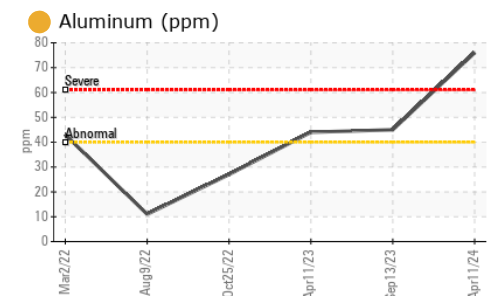
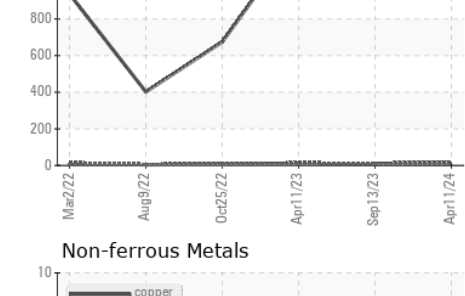
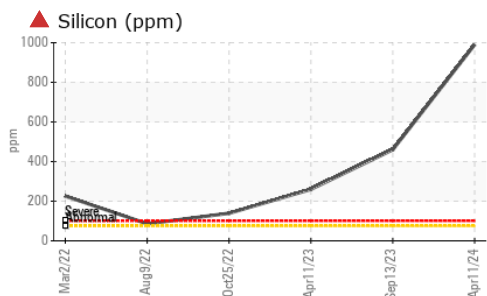
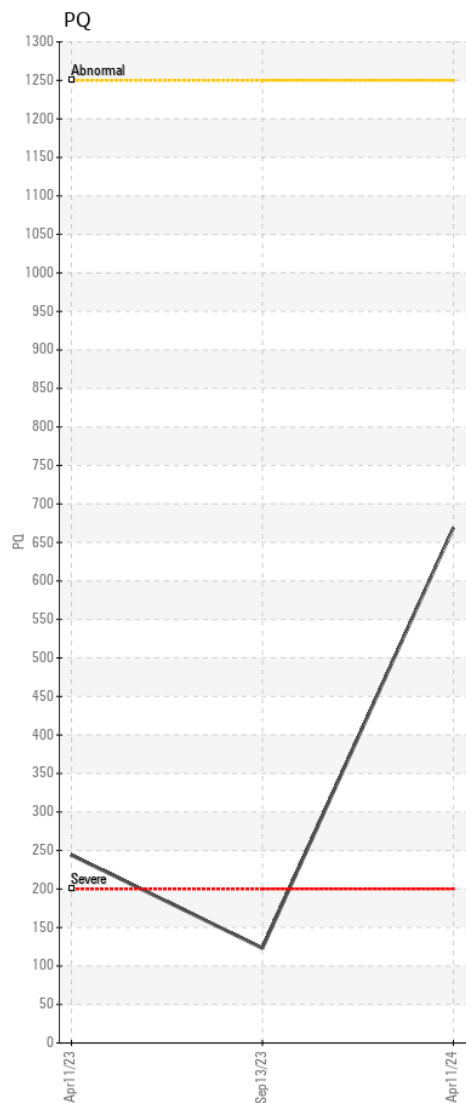
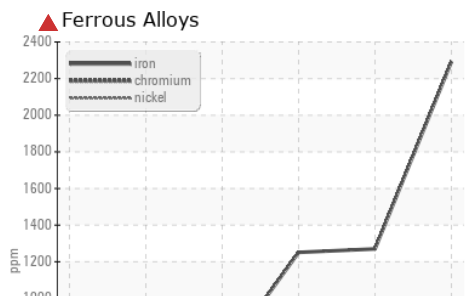
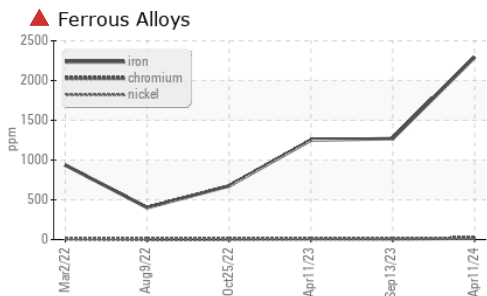
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 990	▲ 460	▲ 260
Potassium	ppm	ASTM D5185m	>20	10	4	5
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 oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m	>51	4	2	2
Boron	ppm	ASTM D5185m		156	77	240
Barium	ppm	ASTM D5185m		1	0	<1
Molybdenum	ppm	ASTM D5185m		2	2	<1
Manganese	ppm	ASTM D5185m		19	8	12
Magnesium	ppm	ASTM D5185m		7	6	5
Calcium	ppm	ASTM D5185m		13	14	39
Phosphorus	ppm	ASTM D5185m		793	676	1027
Zinc	ppm	ASTM D5185m		8	14	20
Sulfur	ppm	ASTM D5185m		21775	32499	19449
Visc @ 40°C	cSt	ASTM D445		154	139	142



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0006888 **Received** : 15 Apr 2024
Lab Number : 06148954 **Tested** : 16 Apr 2024
Unique Number : 10979032 **Diagnosed** : 17 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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Certificate L2367
 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)