



WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
[W67131]
 Machine Id
JOHN DEERE 350G 1FF350GXCKF813557
 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. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: W67131)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215664	JR0198668	JR0188257
Sample Date		Client Info		29 May 2024	28 Dec 2023	22 Sep 2023
Machine Age	hrs	Client Info		7003	6521	6116
Oil Age	hrs	Client Info		6598	405	623
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Gear wear is indicated.

PQ		ASTM D8184	>1250	150	32	67
Iron	ppm	ASTM D5185m	>750	▲ 1245	44	850
Chromium	ppm	ASTM D5185m	>9	▲ 14	0	11
Nickel	ppm	ASTM D5185m	>10	2	0	2
Titanium	ppm	ASTM D5185m		3	0	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	● 42	0	23
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	2	0	1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

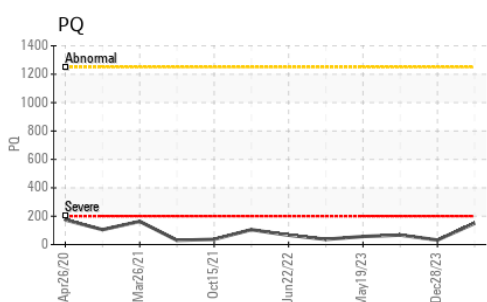
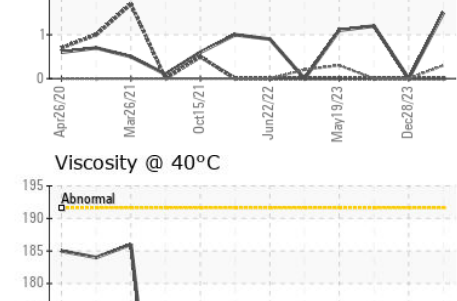
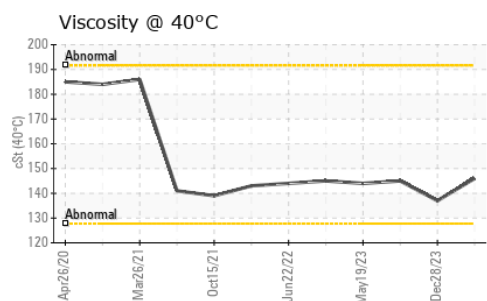
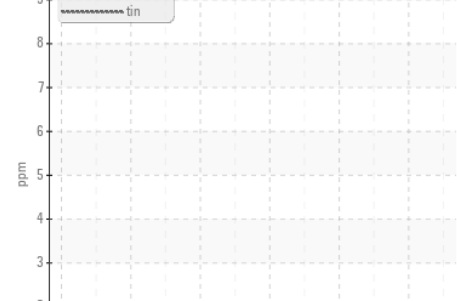
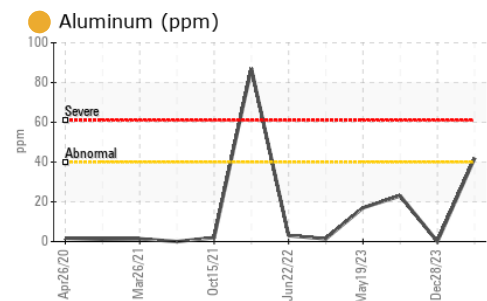
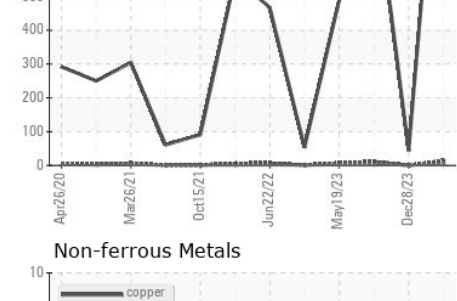
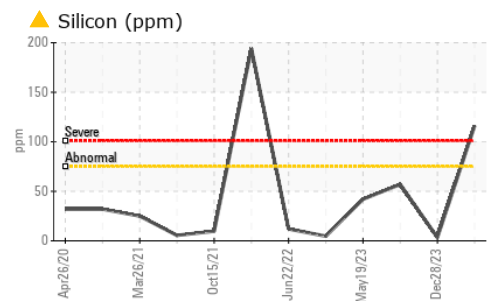
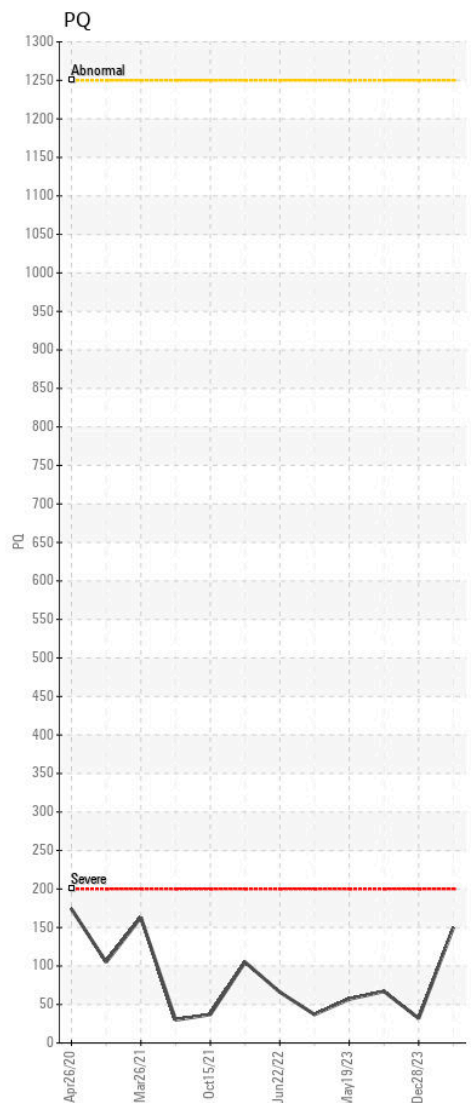
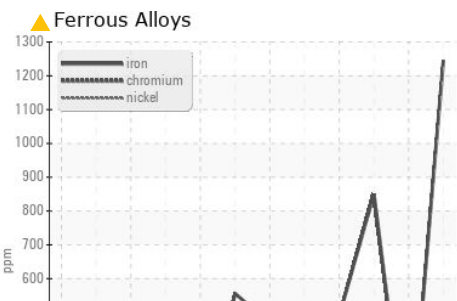
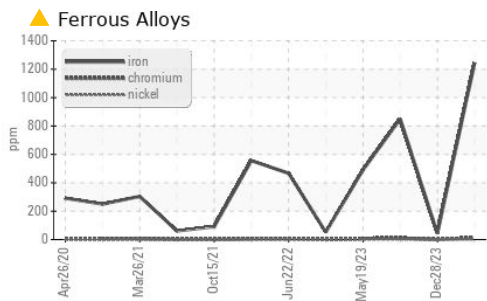
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 116	3	57
Potassium	ppm	ASTM D5185m	>20	2	0	2
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	2	0	<1
Boron	ppm	ASTM D5185m		141	19	142
Barium	ppm	ASTM D5185m		<1	0	2
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		14	0	10
Magnesium	ppm	ASTM D5185m		4	1	3
Calcium	ppm	ASTM D5185m		26	20	16
Phosphorus	ppm	ASTM D5185m		1003	384	939
Zinc	ppm	ASTM D5185m		8	8	11
Sulfur	ppm	ASTM D5185m		22604	18739	18981
Visc @ 40°C	cSt	ASTM D445		146	137	145



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215664 **Received** : 30 May 2024
Lab Number : 06195664 **Tested** : 31 May 2024
Unique Number : 11057787 **Diagnosed** : 01 Jun 2024 - Don Baldrige
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)