



WEAR	ABNORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area
[W66260]

Machine Id
JOHN DEERE 350G 1FF350GXCMF815215

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. We recommend an early resample to monitor this condition. (Customer Sample Comment: W66260)

WEAR

Gear wear is indicated.

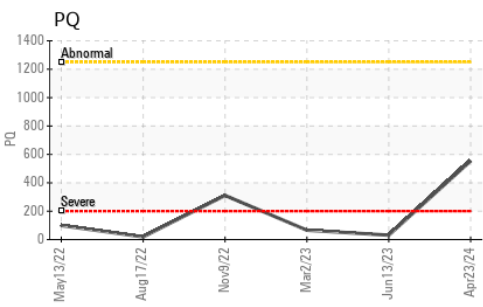
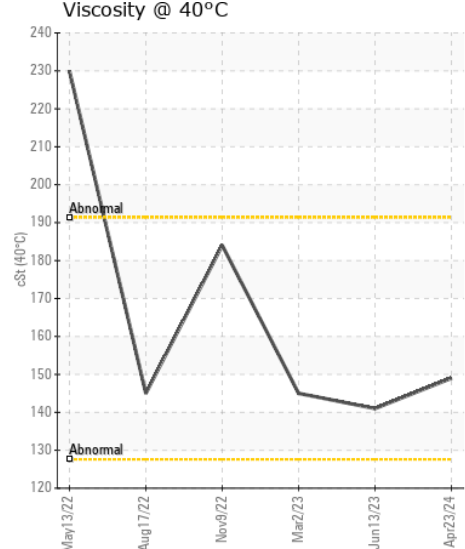
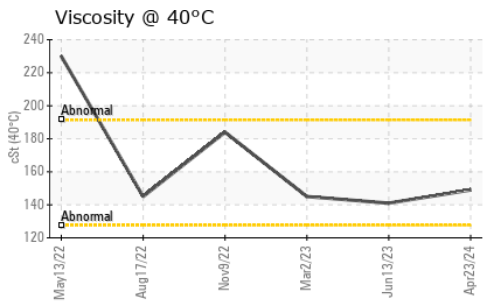
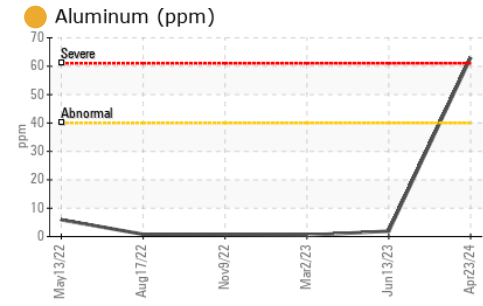
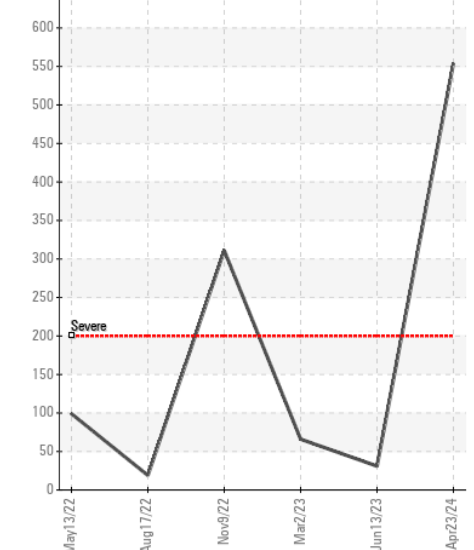
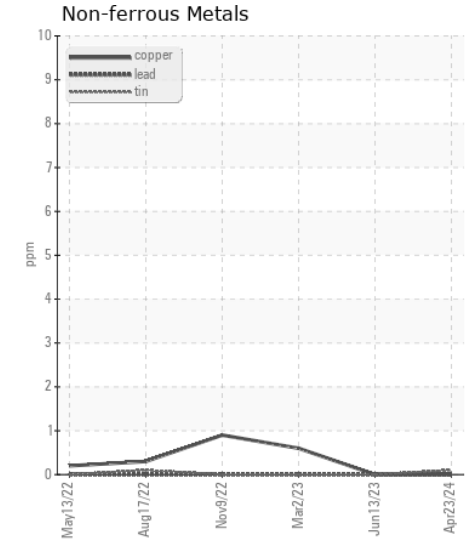
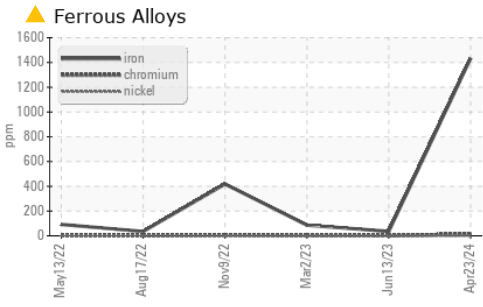
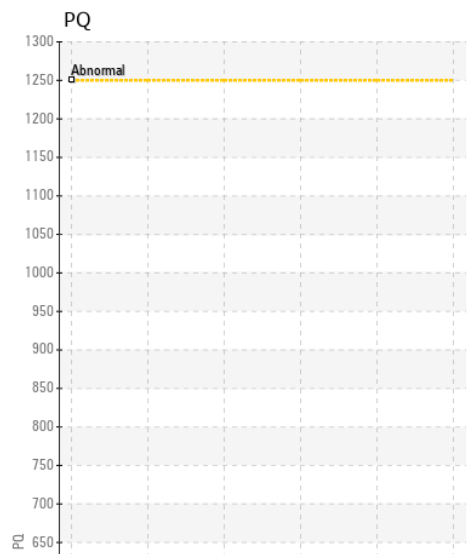
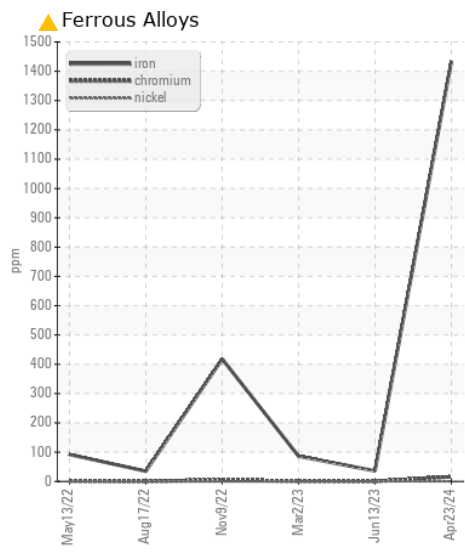
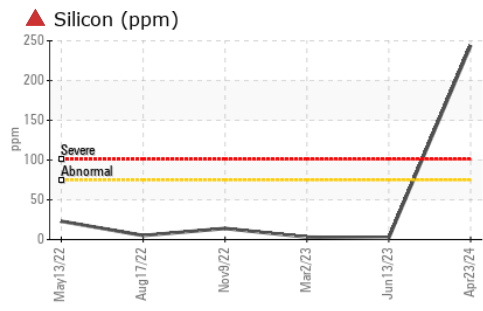
CONTAMINATION

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		JR0205508	JR0171135	JR0142327
Sample Date		Client Info		23 Apr 2024	13 Jun 2023	02 Mar 2023
Machine Age	hrs	Client Info		3842	3028	2474
Oil Age	hrs	Client Info		3288	554	500
Filter Age	hrs	Client Info		0	0	500
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				SEVERE	NORMAL	NORMAL
PQ		ASTM D8184	>1250	554	31	66
Iron	ppm	ASTM D5185m	>750	▲ 1434	36	86
Chromium	ppm	ASTM D5185m	>9	▲ 16	<1	1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		5	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	● 63	2	<1
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	0	0	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	▲ 244	2	3
Potassium	ppm	ASTM D5185m	>20	4	1	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
Sodium	ppm	ASTM D5185m	>51	<1	<1	<1
Boron	ppm	ASTM D5185m		163	80	198
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		2	0	0
Manganese	ppm	ASTM D5185m		15	<1	1
Magnesium	ppm	ASTM D5185m		21	2	<1
Calcium	ppm	ASTM D5185m		27	37	18
Phosphorus	ppm	ASTM D5185m		1005	640	922
Zinc	ppm	ASTM D5185m		27	2	11
Sulfur	ppm	ASTM D5185m		22654	24287	20712
Visc @ 40°C	cSt	ASTM D445		149	141	145



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0205508
Lab Number : 06160647
Unique Number : 10996070
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)