



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 350G 1FF350GXCKF814067
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- 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		JR0209744	JR0197585	JR0190788
Sample Date		Client Info		19 May 2024	28 Jan 2024	27 Nov 2023
Machine Age	hrs	Client Info		4965	4571	4023
Oil Age	hrs	Client Info		4965	4571	4023
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	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	371	168	717
Iron	ppm	ASTM D5185m	>750	479	273	1316
Chromium	ppm	ASTM D5185m	>9	4	2	14
Nickel	ppm	ASTM D5185m	>10	0	0	2
Titanium	ppm	ASTM D5185m		2	1	7
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	46	17	96
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	<1	<1	3
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

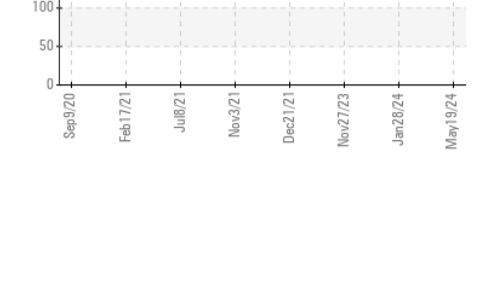
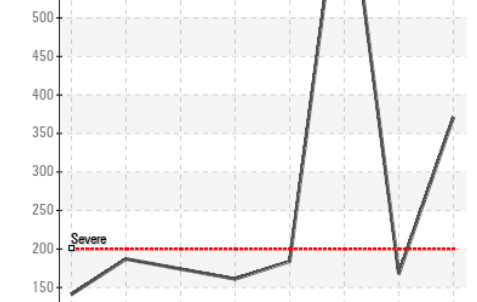
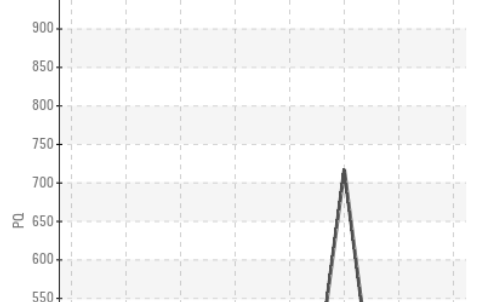
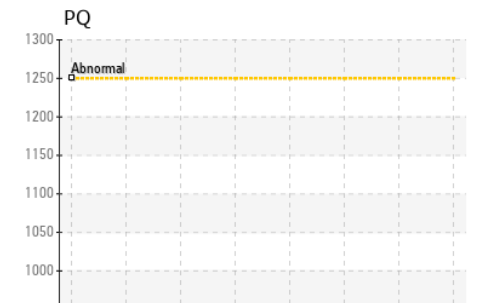
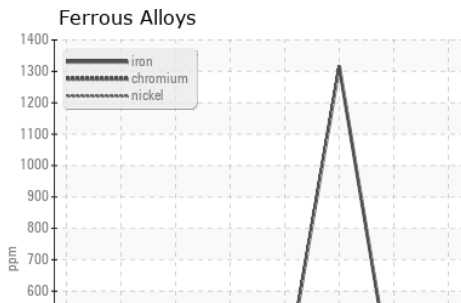
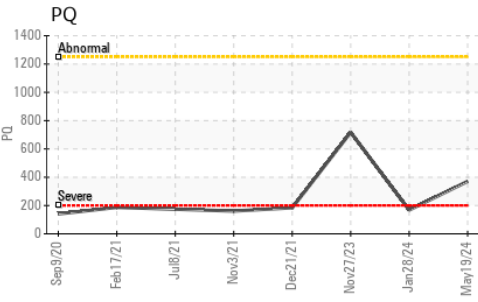
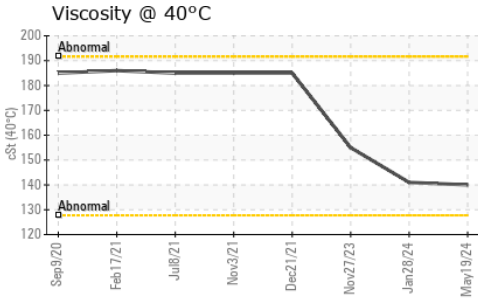
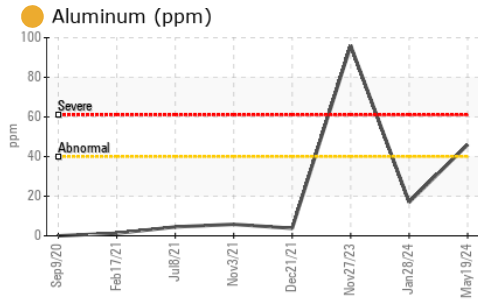
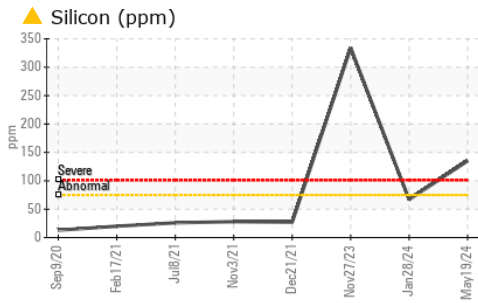
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	135	67	334
Potassium	ppm	ASTM D5185m	>20	2	3	11
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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	0.2%

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	7	0	12
Boron	ppm	ASTM D5185m		10	12	20
Barium	ppm	ASTM D5185m		0	1	0
Molybdenum	ppm	ASTM D5185m		6	7	<1
Manganese	ppm	ASTM D5185m		5	2	15
Magnesium	ppm	ASTM D5185m		27	28	12
Calcium	ppm	ASTM D5185m		52	47	40
Phosphorus	ppm	ASTM D5185m		2036	2229	358
Zinc	ppm	ASTM D5185m		30	24	2
Sulfur	ppm	ASTM D5185m		28689	30608	22117
Visc @ 40°C	cSt	ASTM D445		140	141	155



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0209744 **Received** : 21 May 2024
Lab Number : 06186449 **Tested** : 22 May 2024
Unique Number : 11043201 **Diagnosed** : 23 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
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 US 27529
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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)