



WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
SEVERE
NORMAL

Machine Id
JOHN DEERE 350G 1FF350GXCKF814067
Component
Right Final Drive
Fluid
JOHN DEERE GL-5 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 recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

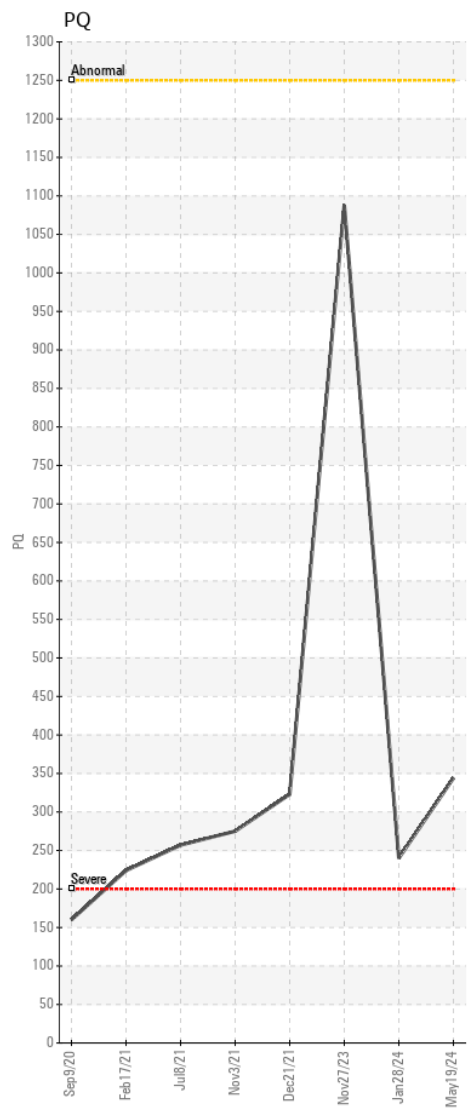
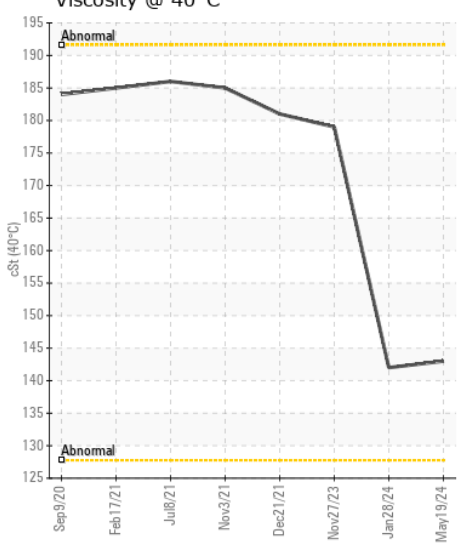
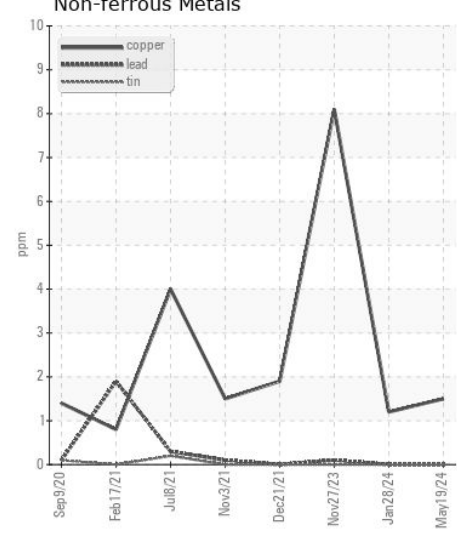
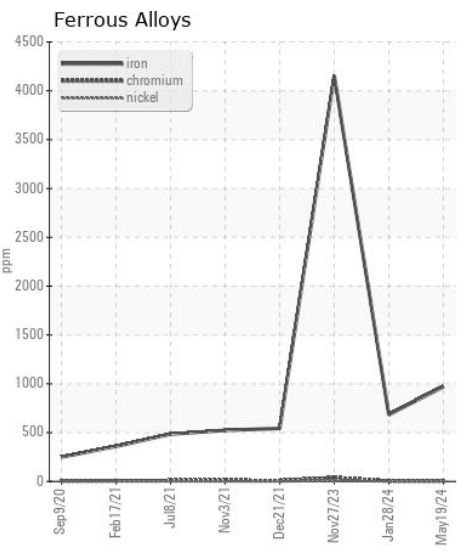
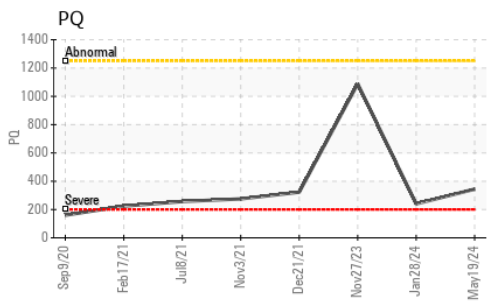
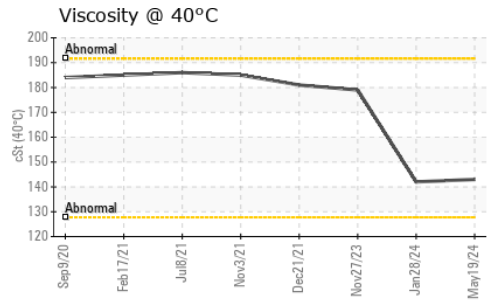
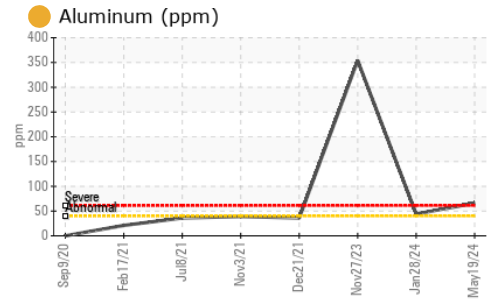
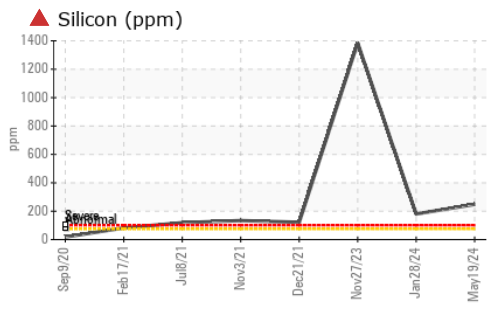
CONTAMINATION

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		JR0209743	JR0197586	JR0190774
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		Not Changd	Not Changd	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	SEVERE
PQ		ASTM D8184	>1250	344	240	1088
Iron	ppm	ASTM D5185m	>750	969	683	▲ 4154
Chromium	ppm	ASTM D5185m	>9	6	4	▲ 38
Nickel	ppm	ASTM D5185m	>10	0	0	6
Titanium	ppm	ASTM D5185m		4	4	28
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	66	44	354
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	2	1	8
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
Silicon	ppm	ASTM D5185m	>75	▲ 248	▲ 180	▲ 1385
Potassium	ppm	ASTM D5185m	>20	6	7	42
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	LIGHT	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	12	3	53
Boron	ppm	ASTM D5185m		5	10	29
Barium	ppm	ASTM D5185m		<1	1	0
Molybdenum	ppm	ASTM D5185m		6	8	2
Manganese	ppm	ASTM D5185m		8	6	45
Magnesium	ppm	ASTM D5185m		24	30	36
Calcium	ppm	ASTM D5185m		40	52	80
Phosphorus	ppm	ASTM D5185m		1962	2108	455
Zinc	ppm	ASTM D5185m		26	26	4
Sulfur	ppm	ASTM D5185m		28576	27631	29237
Visc @ 40°C	cSt	ASTM D445		143	142	179



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0209743
Lab Number : 06186450
Unique Number : 11043202
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529
 Contact: RALEIGH SHOP

To discuss this sample report, contact Customer Service at 1-800-237-1369.

sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (919)614-2260

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (919)779-5432