



Machine Id
JOHN DEERE 350G 1FF350GXTHF812256

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. We recommend that you drain the oil and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

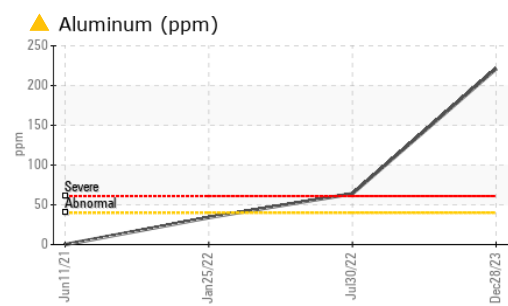
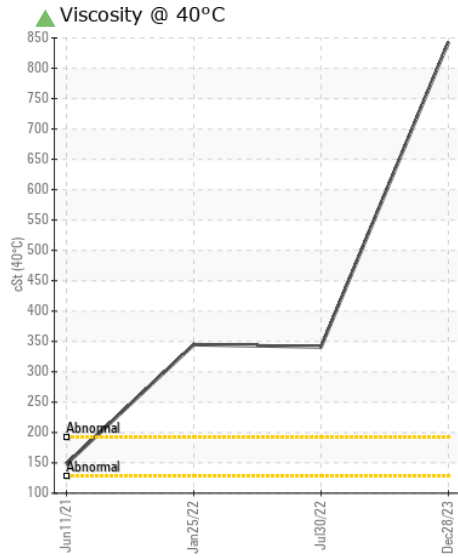
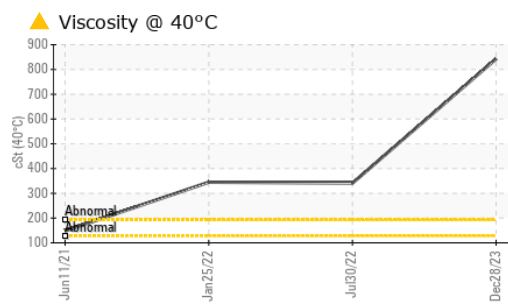
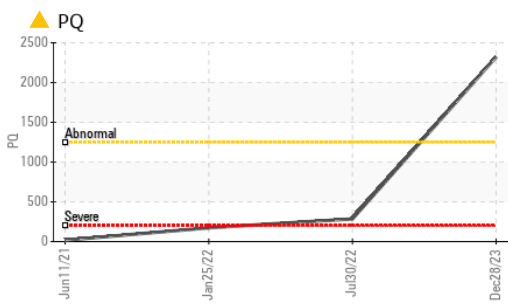
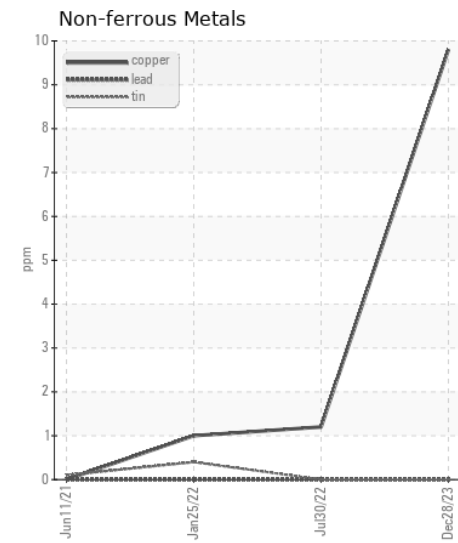
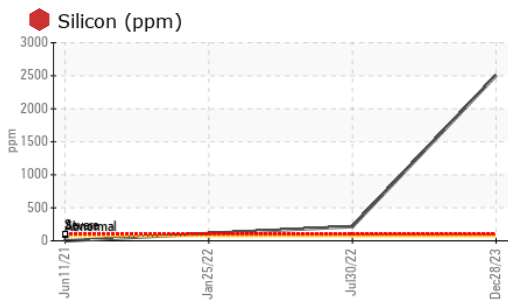
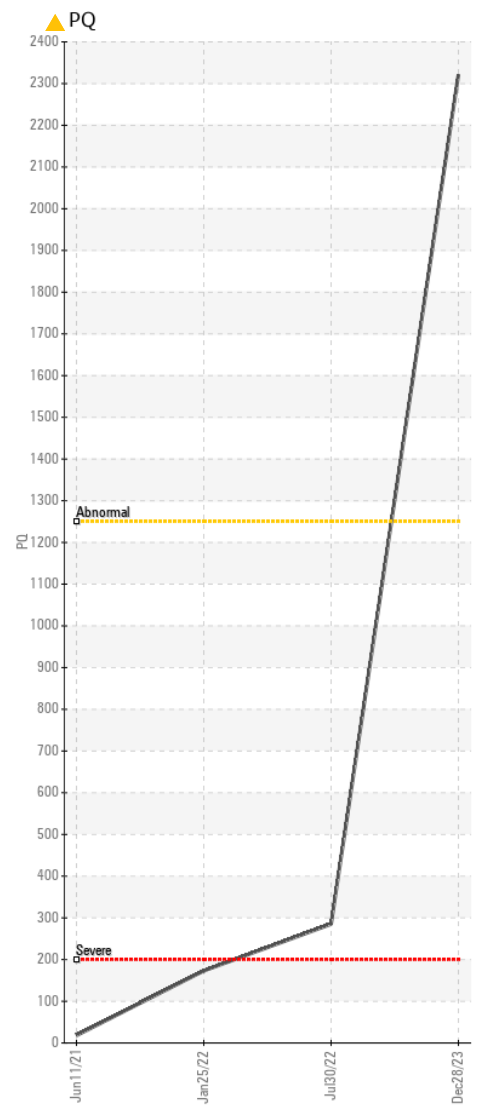
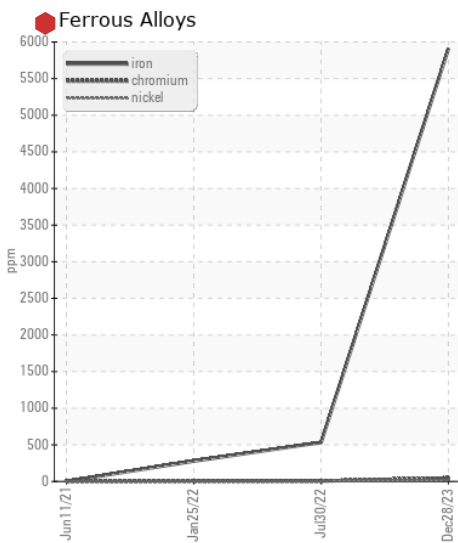
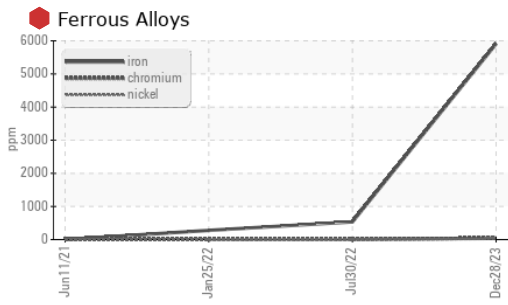
CONTAMINATION

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

FLUID CONDITION

The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196264	JR0136511	JR0105320
Sample Date		Client Info		28 Dec 2023	30 Jul 2022	25 Jan 2022
Machine Age	hrs	Client Info		4539	2944	2518
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				SEVERE	ABNORMAL	ABNORMAL
PQ		ASTM D8184	>1250	▲ 2321	285	173
Iron	ppm	ASTM D5185m	>750	● 5910	534	278
Chromium	ppm	ASTM D5185m	>9	● 46	5	3
Nickel	ppm	ASTM D5185m	>10	▲ 19	2	1
Titanium	ppm	ASTM D5185m		26	4	2
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>40	▲ 221	▲ 64	▲ 34
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	10	1	1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	MODER	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	● 2505	▲ 216	▲ 110
Potassium	ppm	ASTM D5185m	>20	53	15	10
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	22	8	6
Boron	ppm	ASTM D5185m		59	49	82
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		2	<1	<1
Manganese	ppm	ASTM D5185m		50	6	3
Magnesium	ppm	ASTM D5185m		18	6	5
Calcium	ppm	ASTM D5185m		39	26	39
Phosphorus	ppm	ASTM D5185m		2267	2275	2121
Zinc	ppm	ASTM D5185m		2	6	15
Sulfur	ppm	ASTM D5185m		31714	34407	25056
Visc @ 40°C	cSt	ASTM D445		▲ 843	341	▲ 344.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196264 **Received** : 08 Jan 2024
Lab Number : 06054220 **Diagnosed** : 09 Jan 2024
Unique Number : 10820169 **Diagnostician** : Sean Felton
Test Package : CONST (Additional Tests: PQ)

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)

JRE - CASTLE HAYNE
 113 CROWATAN ROAD
 CASTLE HAYNE, NC
 US 28429-5819

Contact: WILMINGTON SHOP

todd.simmons@jamesriverequipment.com; canastasio@wearcheck.com; canastasio@we

T: (910)675-9211

F: