



**James River
Equipment**

OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
SEVERE
NORMAL

Area

[W62697]

Machine Id

JOHN DEERE 350G 1FF350GXTMF815037

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. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. (Customer Sample Comment: W62697)

WEAR

All component wear rates are normal.

CONTAMINATION

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

FLUID CONDITION

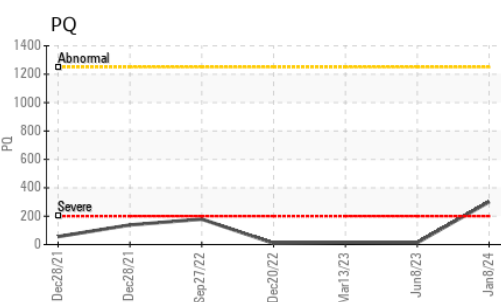
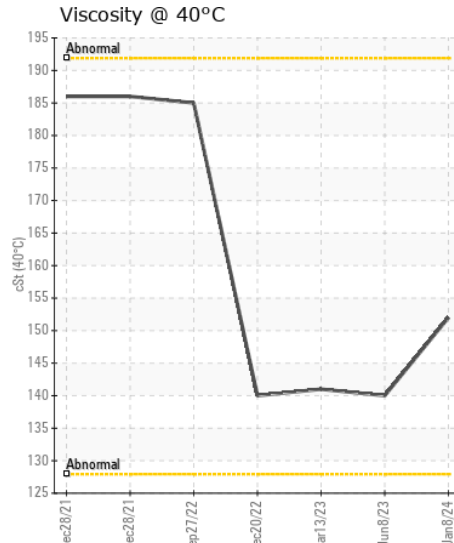
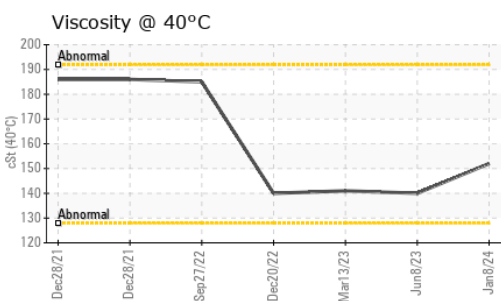
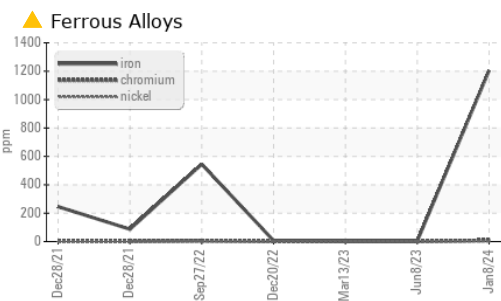
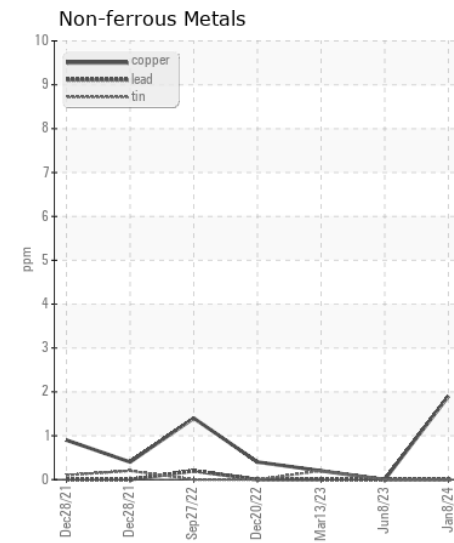
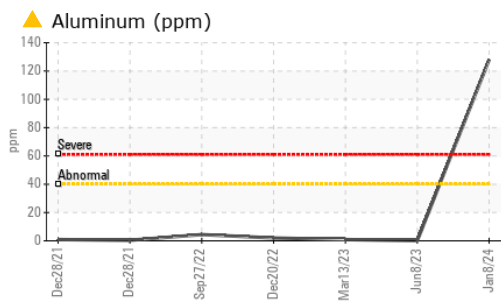
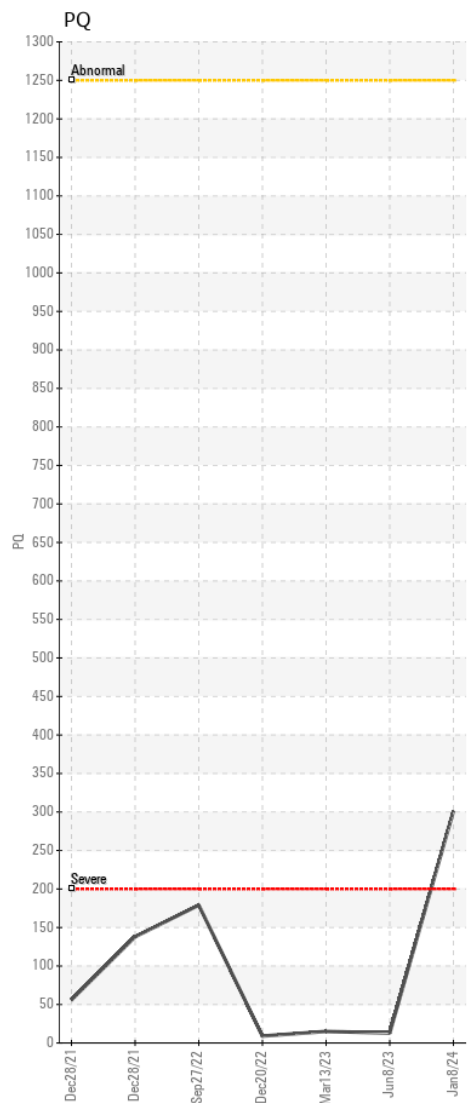
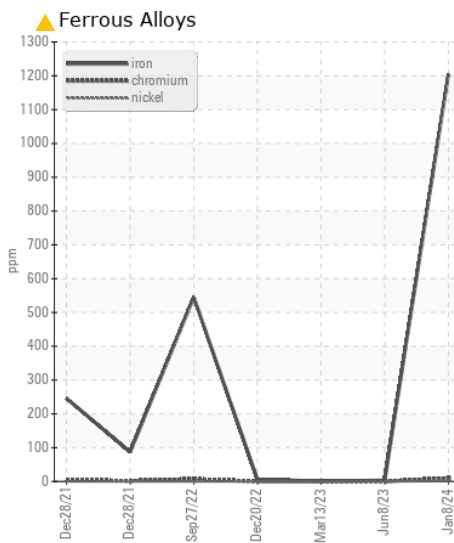
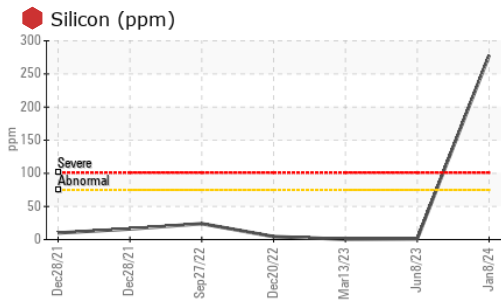
The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0198478	JR0171831	JR0155424
Sample Date		Client Info		08 Jan 2024	08 Jun 2023	13 Mar 2023
Machine Age	hrs	Client Info		4428	3484	2984
Oil Age	hrs	Client Info		3928	1500	500
Filter Age	hrs	Client Info		0	0	500
Oil Changed		Client Info		Changed	Not Chngd	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				SEVERE	NORMAL	NORMAL

PQ		ASTM D8184	>1250	301	13	15
Iron	ppm	ASTM D5185m	>750	▲ 1205	3	<1
Chromium	ppm	ASTM D5185m	>9	10	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		5	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	▲ 128	<1	<1
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	2	0	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	◆ 278	1	<1
Potassium	ppm	ASTM D5185m	>20	18	0	<1
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	8	<1	0
Boron	ppm	ASTM D5185m		153	61	44
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		12	0	0
Magnesium	ppm	ASTM D5185m		8	0	2
Calcium	ppm	ASTM D5185m		13	16	39
Phosphorus	ppm	ASTM D5185m		942	709	960
Zinc	ppm	ASTM D5185m		10	0	12
Sulfur	ppm	ASTM D5185m		18705	23059	22196
Visc @ 40°C	cSt	ASTM D445		152	140	141



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0198478 **Received** : 10 Jan 2024
Lab Number : 06056923 **Diagnosed** : 11 Jan 2024
Unique Number : 10822872 **Diagnostician** : Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.com
 T: (704)597-0211
 F: (704)596-6198

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)