



**James River
Equipment**

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 350G 1FF350GXTJF813123
Component
Right Final Drive
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0202784	JR0202840	JR0168015
Sample Date		Client Info		19 Feb 2024	01 Feb 2024	27 Apr 2023
Machine Age	hrs	Client Info		6638	6553	6009
Oil Age	hrs	Client Info		0	544	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		None	N/A	N/A
Sample Status				NORMAL	NORMAL	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	14	22	121
Iron	ppm	ASTM D5185m	>750	0	289	2135
Chromium	ppm	ASTM D5185m	>9	0	3	23
Nickel	ppm	ASTM D5185m	>10	0	<1	3
Titanium	ppm	ASTM D5185m		0	<1	9
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>40	1	1	152
Lead	ppm	ASTM D5185m	>15	0	2	0
Copper	ppm	ASTM D5185m	>40	0	2	5
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

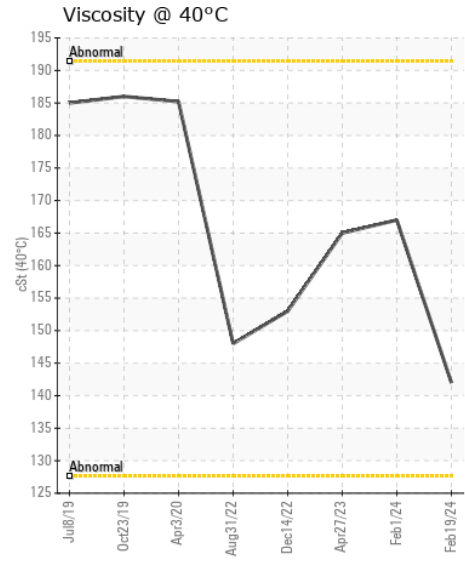
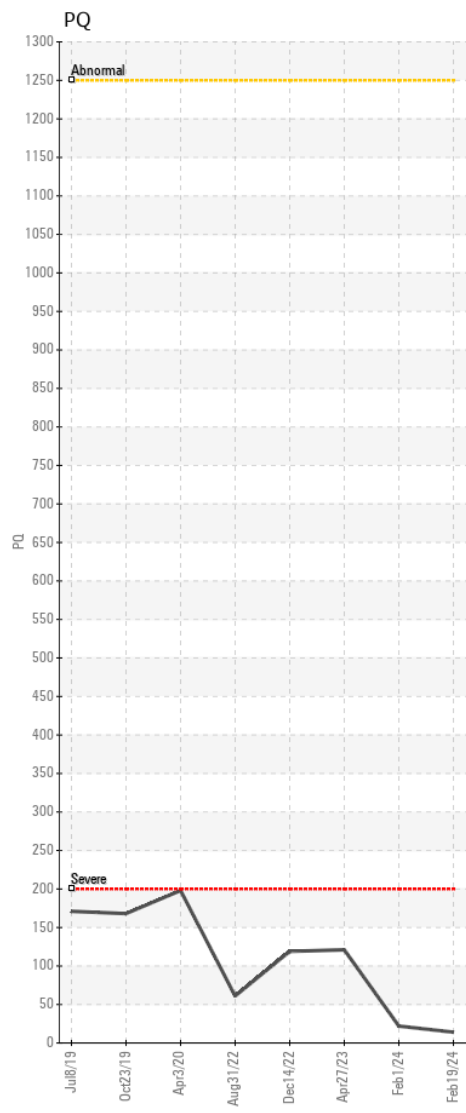
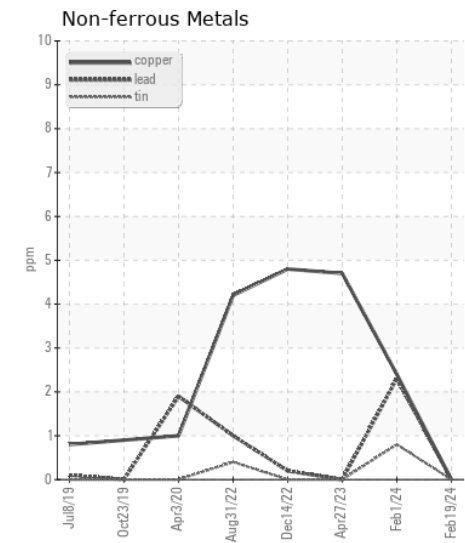
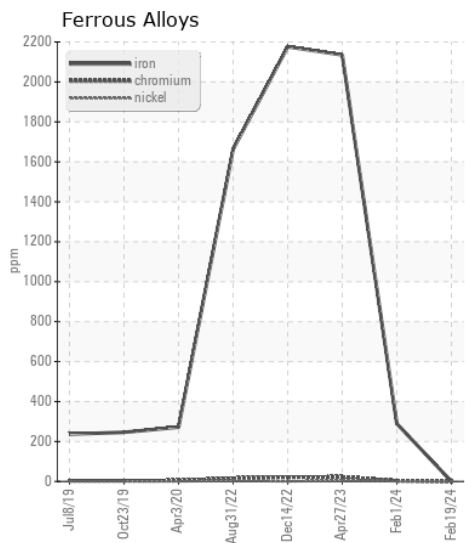
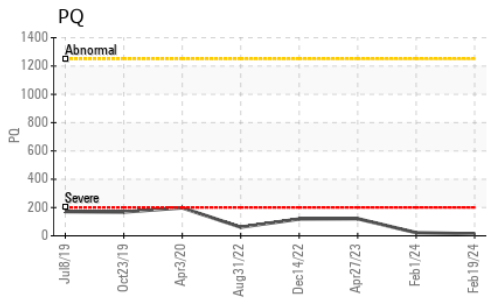
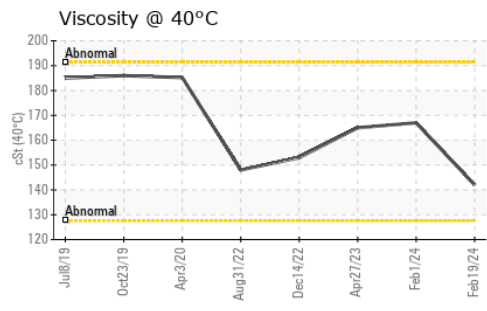
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<1	11	426
Potassium	ppm	ASTM D5185m	>20	<1	3	26
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	3	10
Boron	ppm	ASTM D5185m		0	101	15
Barium	ppm	ASTM D5185m		0	<1	<1
Molybdenum	ppm	ASTM D5185m		0	4	1
Manganese	ppm	ASTM D5185m		0	5	20
Magnesium	ppm	ASTM D5185m		1	113	13
Calcium	ppm	ASTM D5185m		3	39	39
Phosphorus	ppm	ASTM D5185m		285	1164	803
Zinc	ppm	ASTM D5185m		5	22	30
Sulfur	ppm	ASTM D5185m		20035	19328	25390
Visc @ 40°C	cSt	ASTM D445		142	167	165



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0202784 **Received** : 22 Feb 2024
Lab Number : 06097251 **Tested** : 23 Feb 2024
Unique Number : 10890104 **Diagnosed** : 23 Feb 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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 US 27529
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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)