



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[44633]

Machine Id

JOHN DEERE 350G 1FF350GXTHF811706

Component

Right Final Drive

Fluid

JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0203351	JR0183865	JR0160239
Sample Date		Client Info		13 Feb 2024	15 Aug 2023	16 Feb 2023
Machine Age	hrs	Client Info		6937	6446	5949
Oil Age	hrs	Client Info		4517	4523	4511
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		N/A	None	N/A
Sample Status				NORMAL	SEVERE	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	80	117	439
Iron	ppm	ASTM D5185m	>750	217	1300	3042
Chromium	ppm	ASTM D5185m	>9	1	8	22
Nickel	ppm	ASTM D5185m	>10	<1	3	6
Titanium	ppm	ASTM D5185m		1	7	24
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	14	▲ 95	▲ 120
Lead	ppm	ASTM D5185m	>15	<1	<1	<1
Copper	ppm	ASTM D5185m	>40	<1	3	7
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

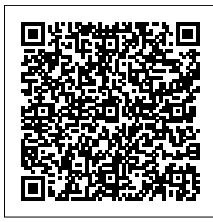
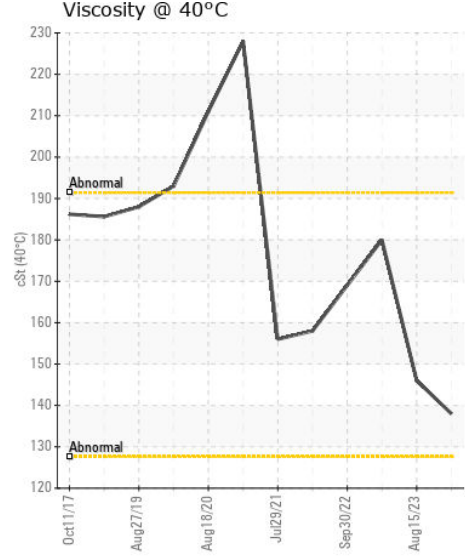
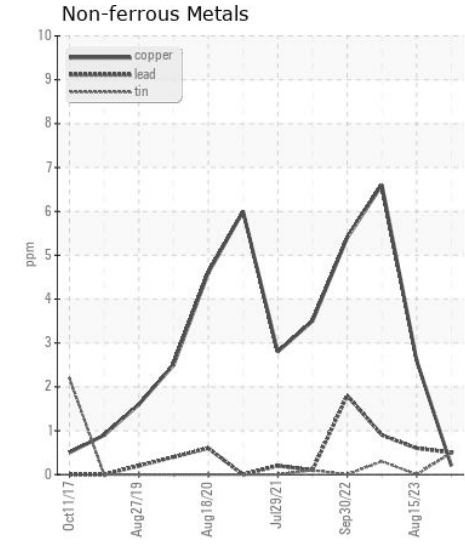
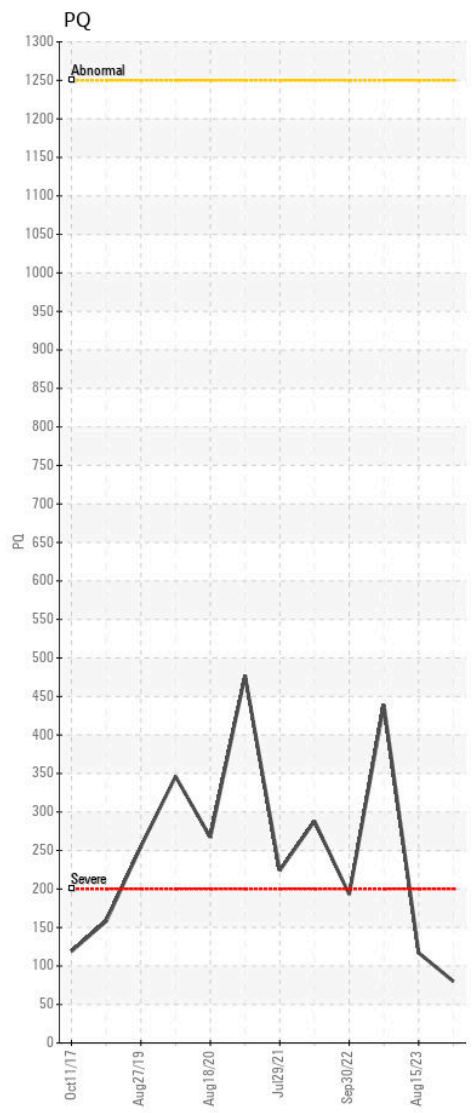
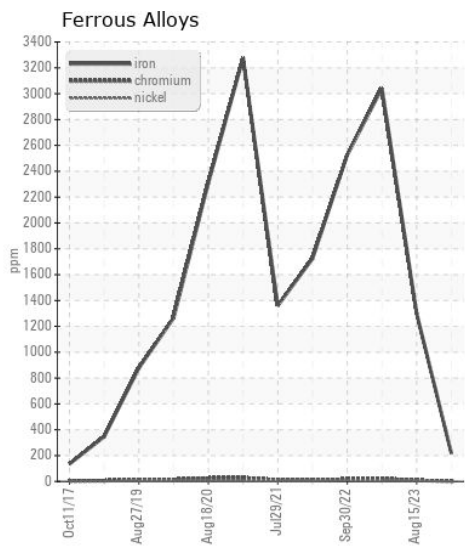
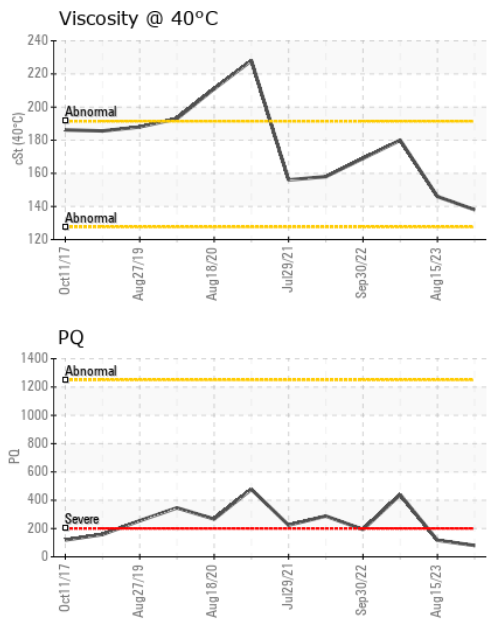
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	46	🔴 329	🔴 1020
Potassium	ppm	ASTM D5185m	>20	4	24	69
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	1	12	34
Boron	ppm	ASTM D5185m		14	82	19
Barium	ppm	ASTM D5185m		0	0	1
Molybdenum	ppm	ASTM D5185m		2	1	2
Manganese	ppm	ASTM D5185m		2	10	24
Magnesium	ppm	ASTM D5185m		19	19	47
Calcium	ppm	ASTM D5185m		24	47	73
Phosphorus	ppm	ASTM D5185m		407	713	318
Zinc	ppm	ASTM D5185m		18	13	17
Sulfur	ppm	ASTM D5185m		19523	22097	18888
Visc @ 40°C	cSt	ASTM D445		138	146	180



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0203351 **Received** : 14 Feb 2024
Lab Number : 06089702 **Tested** : 16 Feb 2024
Unique Number : 10877147 **Diagnosed** : 16 Feb 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111
 Contact: DON VEST
 dvest@jamesriverequipment.com
 T: (703)631-8500
 F: (703)631-4715

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)