



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[05W48014]

Machine Id
JOHN DEERE 345G 1FF345GXLKF020612

Component
Right Final Drive

Fluid
JOHN DEERE GL-5 80W90 (10 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0225538	JR0187489	JR0168911
Sample Date		Client Info		11 Jul 2024	26 Sep 2023	24 Apr 2023
Machine Age	hrs	Client Info		2453	1942	1440
Oil Age	hrs	Client Info		511	1942	1440
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	67	122	112
Iron	ppm	ASTM D5185m	>750	255	813	528
Chromium	ppm	ASTM D5185m	>9	3	11	7
Nickel	ppm	ASTM D5185m	>10	<1	1	0
Titanium	ppm	ASTM D5185m		<1	1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	5	19	15
Lead	ppm	ASTM D5185m	>15	<1	<1	0
Copper	ppm	ASTM D5185m	>40	1	2	2
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

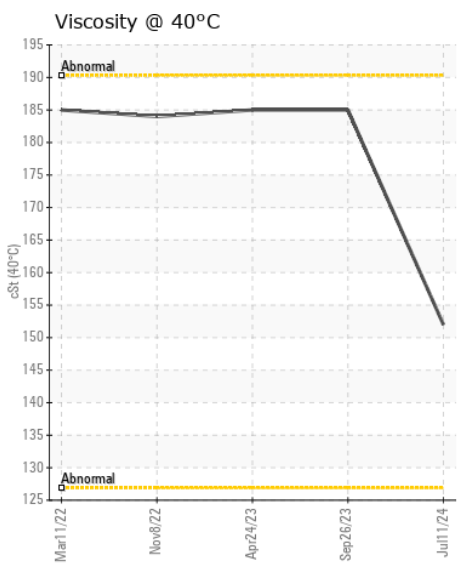
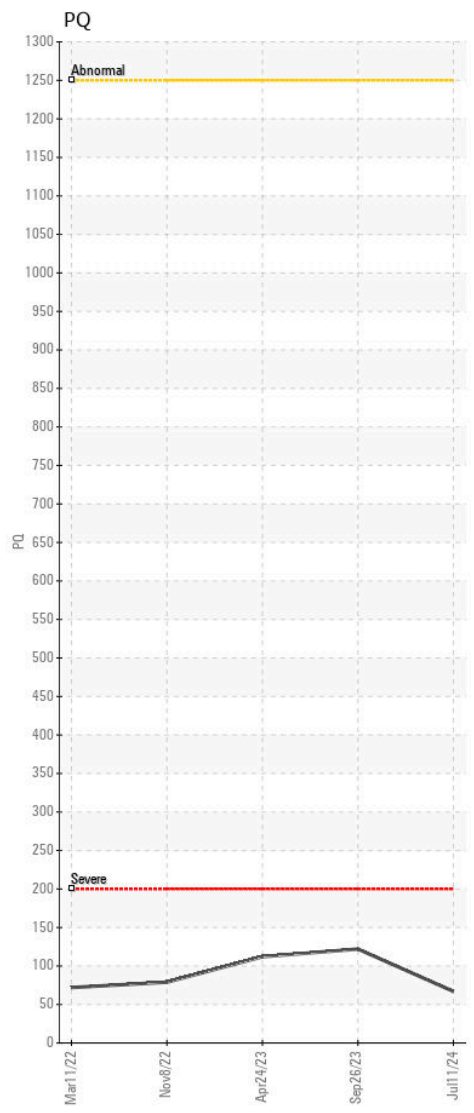
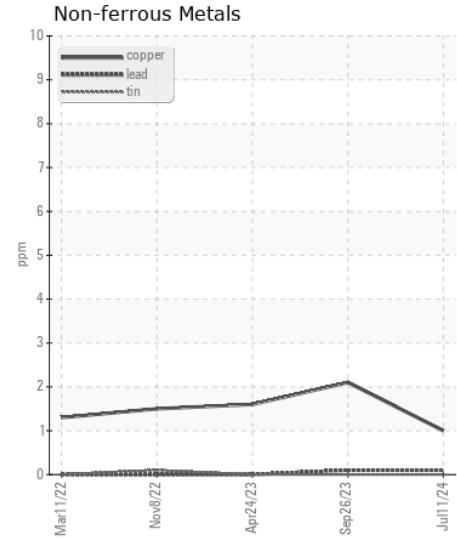
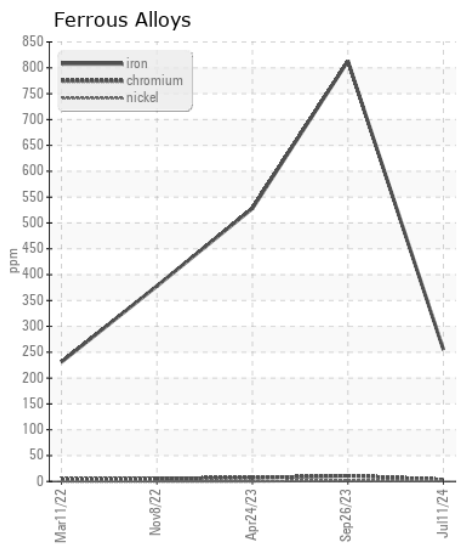
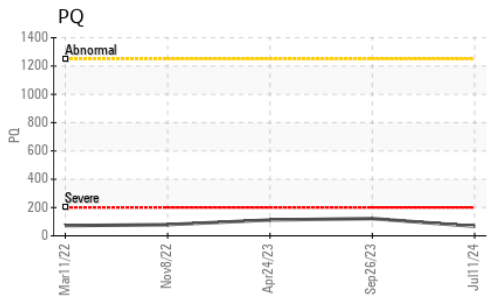
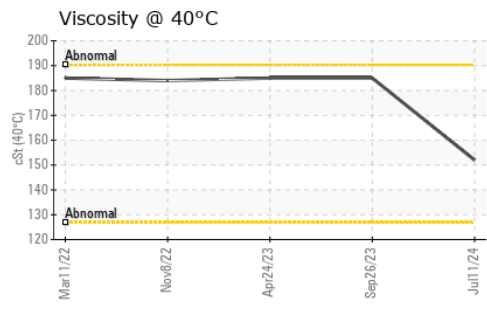
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	25	▲ 77	58
Potassium	ppm	ASTM D5185m	>20	2	5	2
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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<1	2	1
Boron	ppm	ASTM D5185m		14	60	54
Barium	ppm	ASTM D5185m		0	3	0
Molybdenum	ppm	ASTM D5185m		<1	1	<1
Manganese	ppm	ASTM D5185m		4	13	9
Magnesium	ppm	ASTM D5185m		2	10	0
Calcium	ppm	ASTM D5185m		0	43	27
Phosphorus	ppm	ASTM D5185m		2086	500	458
Zinc	ppm	ASTM D5185m		13	37	10
Sulfur	ppm	ASTM D5185m		23772	16385	15327
Visc @ 40°C	cSt	ASTM D445		152	185	185



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225538 **Received** : 15 Jul 2024
Lab Number : 06236425 **Tested** : 16 Jul 2024
Unique Number : 11125259 **Diagnosed** : 17 Jul 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111
 Contact: BRANDON RATLIFF
 brandon.ratliff@jamesriverequipment.com

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) F: (703)631-4715