



WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 333G 1T0333GMLPF450386

Component
Right Final Drive

Fluid
GEAR OIL SAE 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 advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

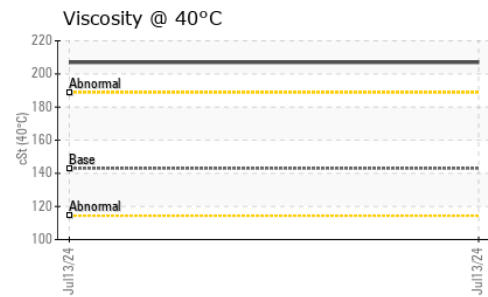
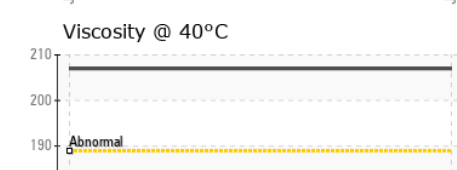
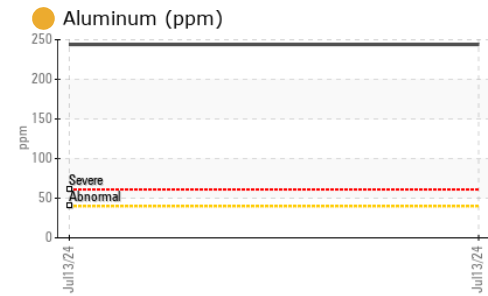
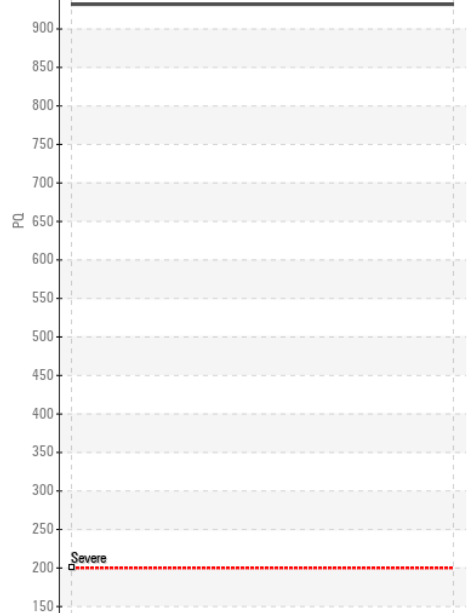
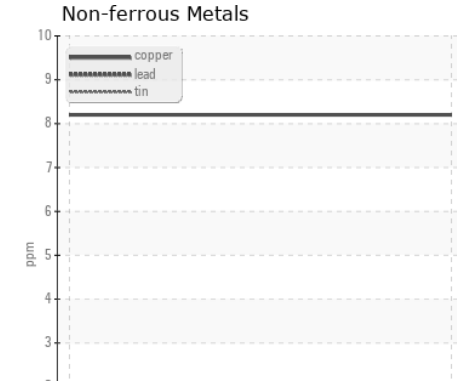
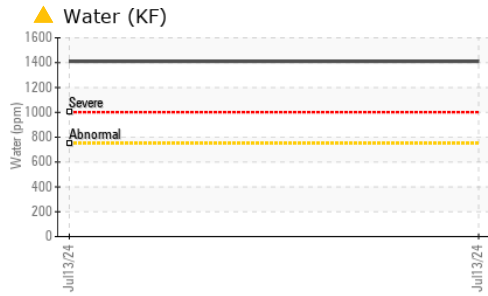
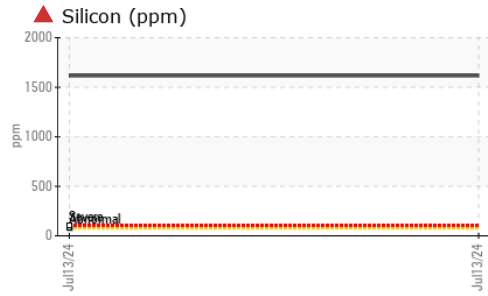
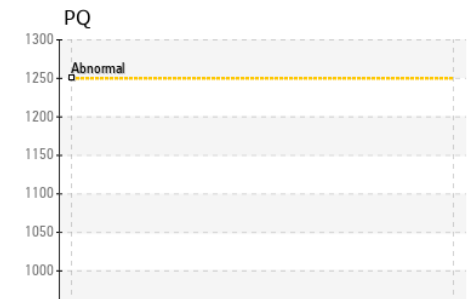
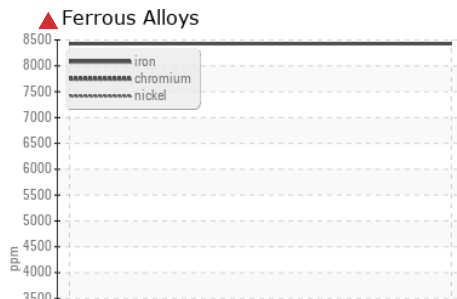
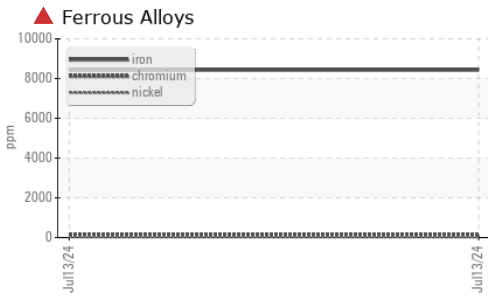
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a light concentration of water present in the oil.

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		JR0224580	---	---
Sample Date		Client Info		13 Jul 2024	---	---
Machine Age	hrs	Client Info		437	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---
PQ		ASTM D8184	>1250	932	---	---
Iron	ppm	ASTM D5185m	>750	▲ 8429	---	---
Chromium	ppm	ASTM D5185m	>9	▲ 141	---	---
Nickel	ppm	ASTM D5185m	>10	▲ 24	---	---
Titanium	ppm	ASTM D5185m		26	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	● 244	---	---
Lead	ppm	ASTM D5185m	>15	1	---	---
Copper	ppm	ASTM D5185m	>40	8	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		3	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 1616	---	---
Potassium	ppm	ASTM D5185m	>20	96	---	---
Water	%	ASTM D6304	>0.075	▲ 0.141	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 1410	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.075	0.2%	---	---
Sodium	ppm	ASTM D5185m	>170	40	---	---
Boron	ppm	ASTM D5185m	400	12	---	---
Barium	ppm	ASTM D5185m	200	92	---	---
Molybdenum	ppm	ASTM D5185m	12	17	---	---
Manganese	ppm	ASTM D5185m		72	---	---
Magnesium	ppm	ASTM D5185m	12	19	---	---
Calcium	ppm	ASTM D5185m	150	47	---	---
Phosphorus	ppm	ASTM D5185m	1650	248	---	---
Zinc	ppm	ASTM D5185m	125	22	---	---
Sulfur	ppm	ASTM D5185m	22500	16062	---	---
Visc @ 40°C	cSt	ASTM D445	143	207	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0224580 **Received** : 17 Jul 2024
Lab Number : 06239387 **Tested** : 18 Jul 2024
Unique Number : 11128221 **Diagnosed** : 19 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF, PQ)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005
 Contact: DAVID ZIEG
 dzieg@jamesriverequipment.com
 T: (804)798-6001
 F: (804)798-0292

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)