



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
{UNASSIGNED}

Machine Id
JOHN DEERE 200G 8001859 (S/N 1Ff210gxplf528983)

Component
Right Final Drive

Fluid
GEAR OIL LS 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: Right final drive)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0173751	---	---
Sample Date		Client Info		14 Jun 2023	---	---
Machine Age	hrs	Client Info		1516	---	---
Oil Age	hrs	Client Info		1516	---	---
Filter Age	hrs	Client Info		1516	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	601	---	---
Iron	ppm	ASTM D5185m	>500	2051	---	---
Chromium	ppm	ASTM D5185m	>10	22	---	---
Nickel	ppm	ASTM D5185m		5	---	---
Titanium	ppm	ASTM D5185m		8	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	▲ 63	---	---
Lead	ppm	ASTM D5185m	>25	0	---	---
Copper	ppm	ASTM D5185m	>50	4	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

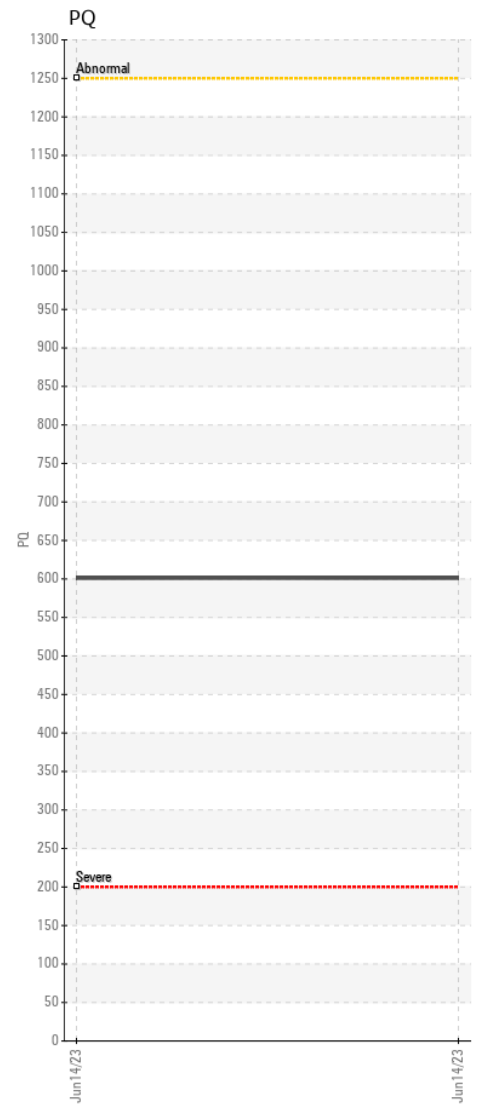
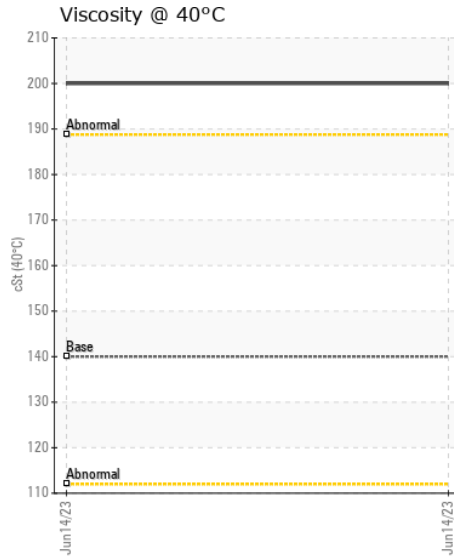
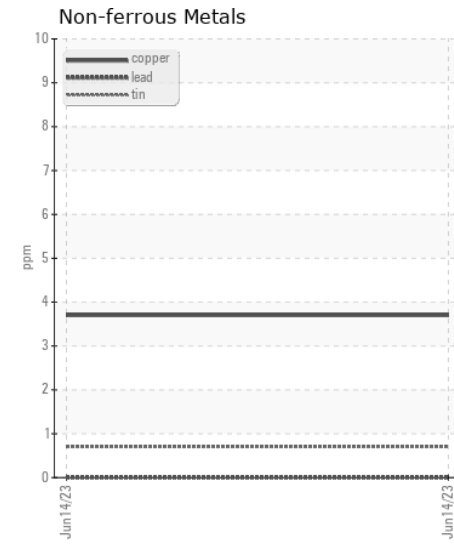
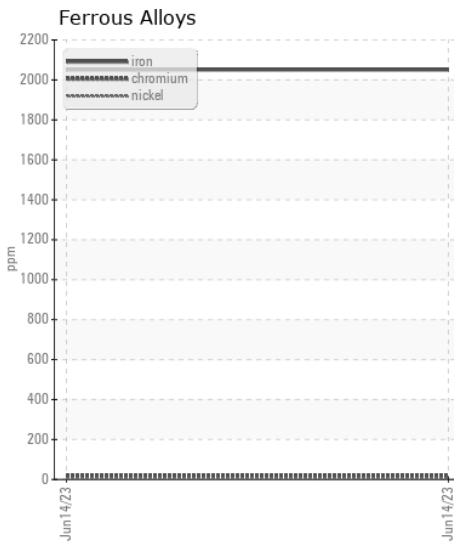
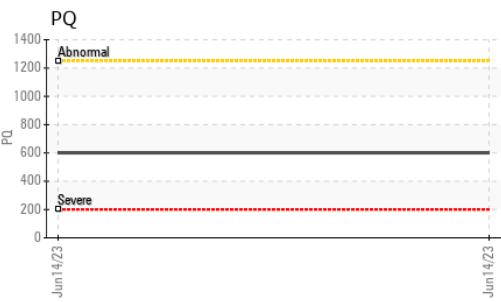
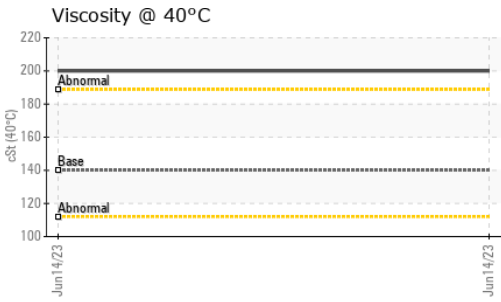
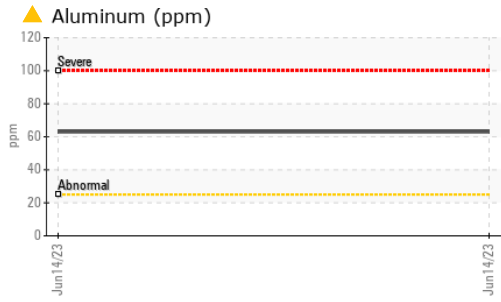
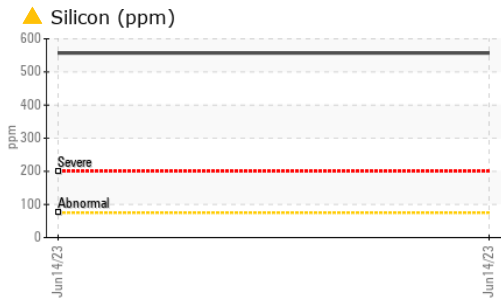
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 557	---	---
Potassium	ppm	ASTM D5185m	>20	14	---	---
Water		WC Method	>0.075	NEG	---	---
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	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	2	---	---
Boron	ppm	ASTM D5185m	150	66	---	---
Barium	ppm	ASTM D5185m		6	---	---
Molybdenum	ppm	ASTM D5185m		2	---	---
Manganese	ppm	ASTM D5185m		22	---	---
Magnesium	ppm	ASTM D5185m	10	6	---	---
Calcium	ppm	ASTM D5185m	70	32	---	---
Phosphorus	ppm	ASTM D5185m	2000	519	---	---
Zinc	ppm	ASTM D5185m	50	23	---	---
Sulfur	ppm	ASTM D5185m	20000	24894	---	---
Visc @ 40°C	cSt	ASTM D445	140	200	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0173751 **Received** : 16 Jun 2023
Lab Number : 05875890 **Diagnosed** : 20 Jun 2023
Unique Number : 10520993 **Diagnostician** : Jonathan Hester
Test Package : CONST (Additional Tests: PQ)

JRE - NEW BERN
 3816 MARTIN LUTHER KING BLVD
 NEW BERN, NC
 US 28562
 Contact: NEW BERN SHOP
 nick.etherdridge@jamesriverequipment.com; canastasio@wearcheckusa.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)

T:
F: