



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 160G 1FF160GXHNF058576

Component
Right Final Drive

Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0221925	JR0186504	---
Sample Date		Client Info		25 Jun 2024	23 Oct 2023	---
Machine Age	hrs	Client Info		979	554	---
Oil Age	hrs	Client Info		979	554	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Not Changed	---
Filter Changed		Client Info		Not Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	64	80	---
Iron	ppm	ASTM D5185m	>750	99	92	---
Chromium	ppm	ASTM D5185m	>9	3	2	---
Nickel	ppm	ASTM D5185m	>10	1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	2	<1	---
Lead	ppm	ASTM D5185m	>15	0	0	---
Copper	ppm	ASTM D5185m	>40	1	0	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

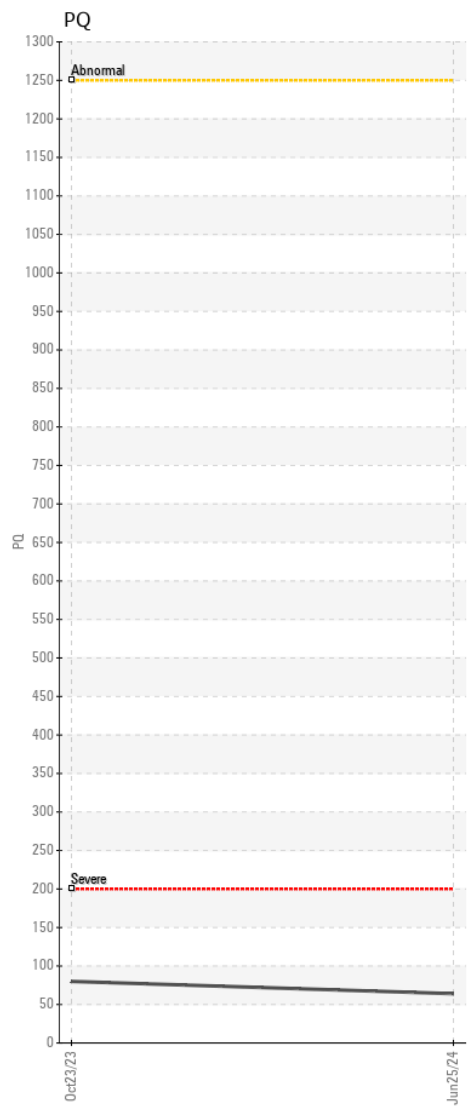
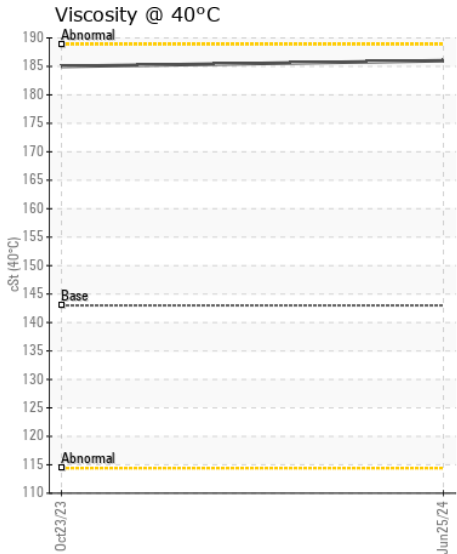
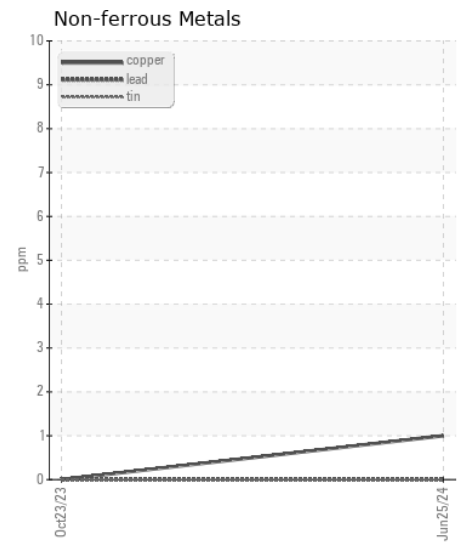
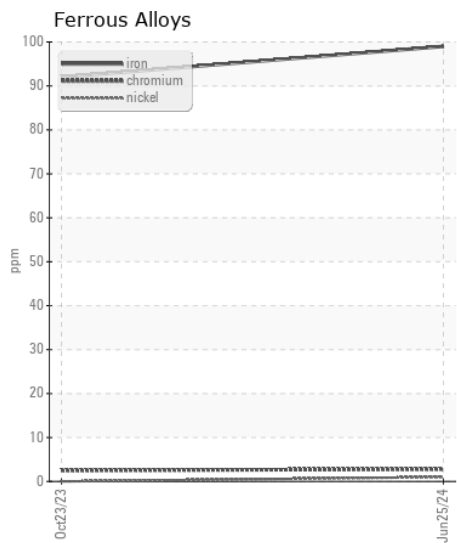
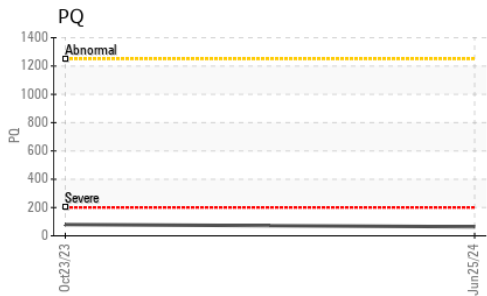
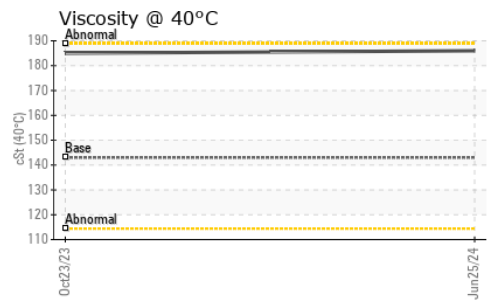
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	25	23	---
Potassium	ppm	ASTM D5185m	>20	6	0	---
Water		WC Method	>0.075	NEG	NEG	---
Silt	scalar	*Visual	NONE	MODER	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	2	0	---
Boron	ppm	ASTM D5185m	400	55	62	---
Barium	ppm	ASTM D5185m	200	6	7	---
Molybdenum	ppm	ASTM D5185m	12	0	0	---
Manganese	ppm	ASTM D5185m		11	9	---
Magnesium	ppm	ASTM D5185m	12	2	0	---
Calcium	ppm	ASTM D5185m	150	12	13	---
Phosphorus	ppm	ASTM D5185m	1650	524	522	---
Zinc	ppm	ASTM D5185m	125	22	30	---
Sulfur	ppm	ASTM D5185m	22500	18917	14663	---
Visc @ 40°C	cSt	ASTM D445	143	186	185	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221925 **Received** : 28 Jun 2024
Lab Number : 06223705 **Tested** : 01 Jul 2024
Unique Number : 11101902 **Diagnosed** : 01 Jul 2024 - Don Baldridge
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: RALEIGH SHOP
 sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (919)614-2260

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (919)779-5432