



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 245G 1FF245GXCGF800133

Component
Left Final Drive

Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0221120	JR0186131	JR0163416
Sample Date		Client Info		27 Jun 2024	30 Oct 2023	21 Mar 2023
Machine Age	hrs	Client Info		4645	4233	4158
Oil Age	hrs	Client Info		412	0	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
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	207	456	76
Iron	ppm	ASTM D5185m	>750	435	▲ 1514	▲ 2942
Chromium	ppm	ASTM D5185m	>9	2	▲ 10	▲ 21
Nickel	ppm	ASTM D5185m	>10	1	4	6
Titanium	ppm	ASTM D5185m		1	3	6
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	9	● 30	● 59
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	1	4	7
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	MODER	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

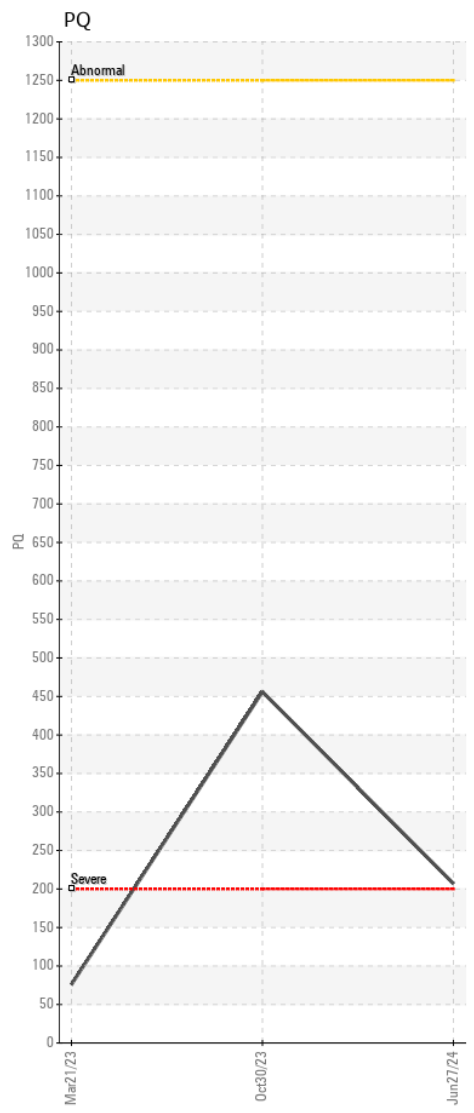
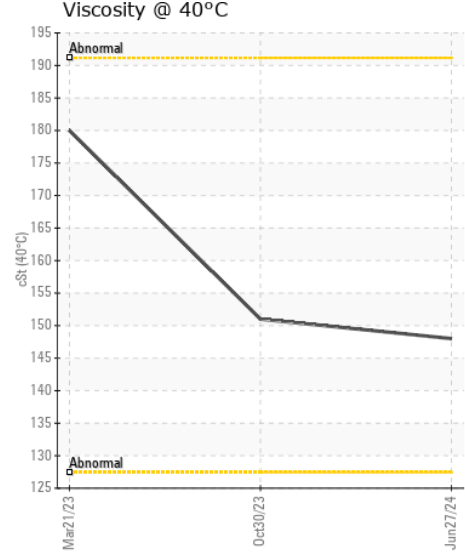
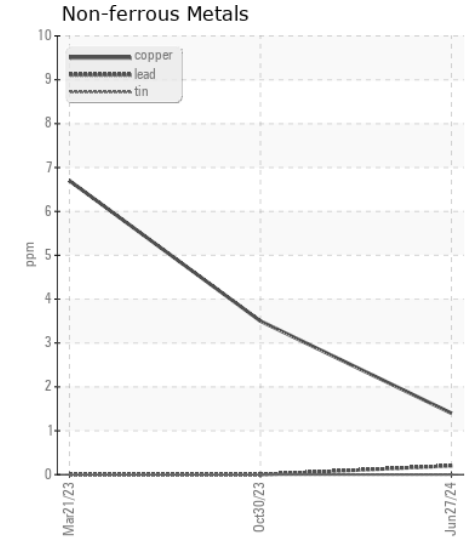
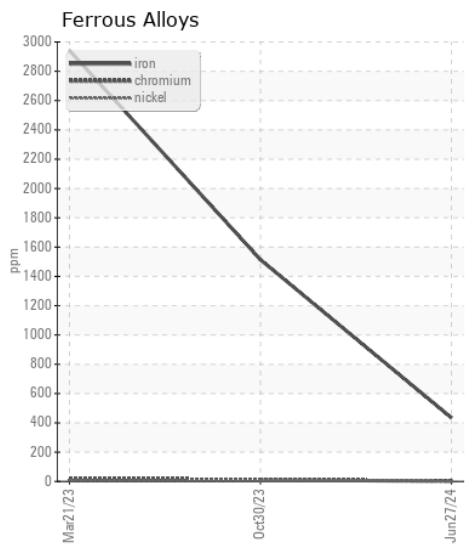
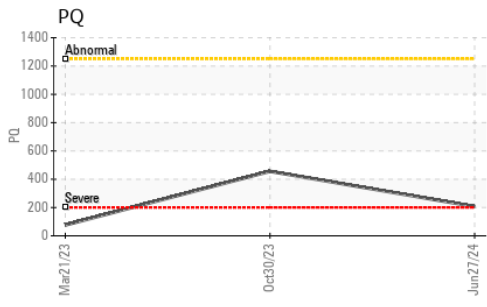
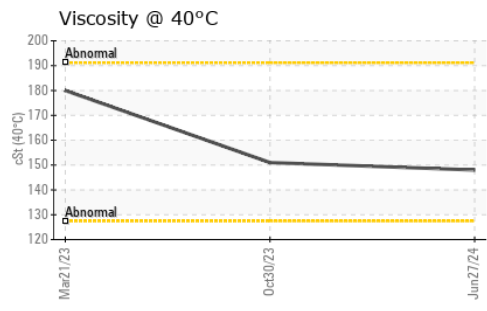
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	60	▲ 271	▲ 587
Potassium	ppm	ASTM D5185m	>20	4	9	13
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	2	5	3
Boron	ppm	ASTM D5185m		19	11	20
Barium	ppm	ASTM D5185m		<1	1	2
Molybdenum	ppm	ASTM D5185m		11	1	2
Manganese	ppm	ASTM D5185m		3	9	20
Magnesium	ppm	ASTM D5185m		33	5	6
Calcium	ppm	ASTM D5185m		54	31	15
Phosphorus	ppm	ASTM D5185m		2224	2022	488
Zinc	ppm	ASTM D5185m		40	14	26
Sulfur	ppm	ASTM D5185m		24720	31998	18484
Visc @ 40°C	cSt	ASTM D445		148	151	● 180



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221120 **Received** : 01 Jul 2024
Lab Number : 06224782 **Tested** : 02 Jul 2024
Unique Number : 11102979 **Diagnosed** : 02 Jul 2024 - Don Baldridge
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)

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