



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 245G 1FF245GXTMF802196
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (7 QTS)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0213053	JR0186614	JR0167398
Sample Date		Client Info		08 May 2024	27 Sep 2023	19 Apr 2023
Machine Age	hrs	Client Info		3030	2159	1551
Oil Age	hrs	Client Info		871	2159	1551
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				ABNORMAL	SEVERE	SEVERE

WEAR

All component wear rates are normal.

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184	>1250	724	1785	1062
Iron	ppm	ASTM D5185m	>750	1097	▲ 3242	▲ 2566
Chromium	ppm	ASTM D5185m	>9	11	▲ 33	▲ 29
Nickel	ppm	ASTM D5185m	>10	1	6	5
Titanium	ppm	ASTM D5185m		3	8	8
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	● 14	● 52	● 52
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	<1	7	5
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

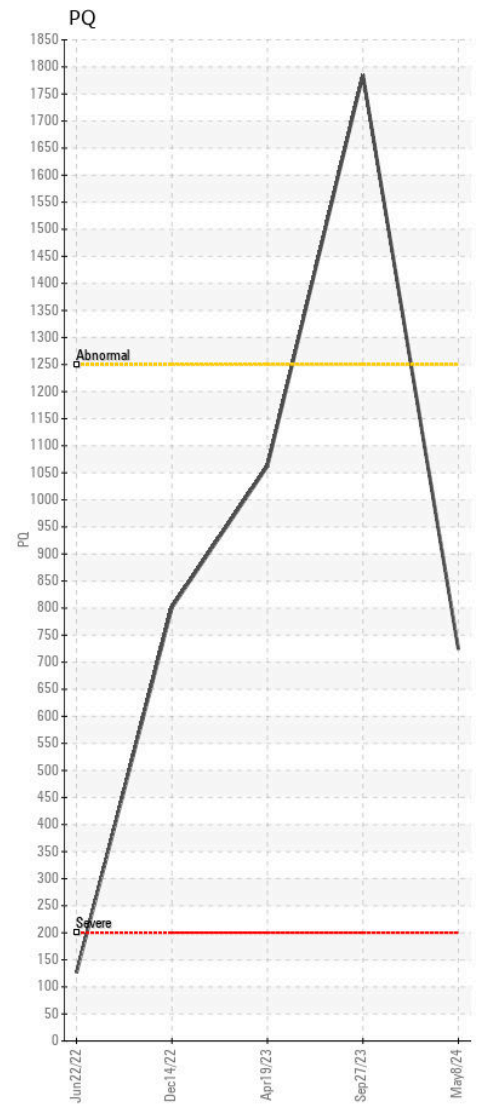
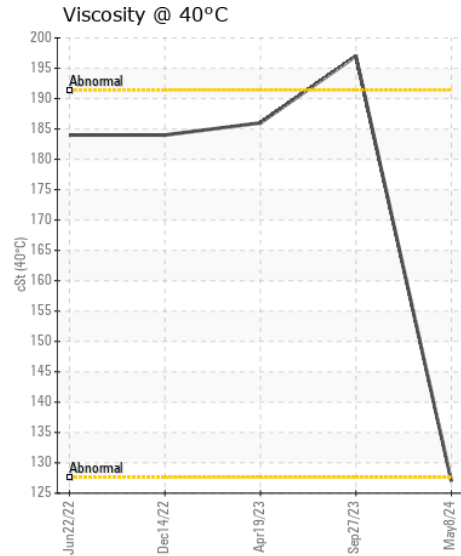
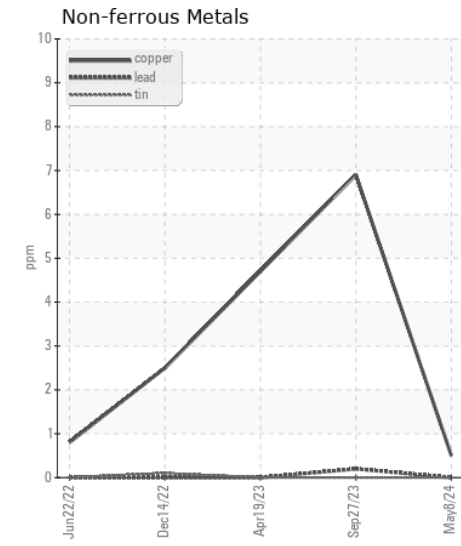
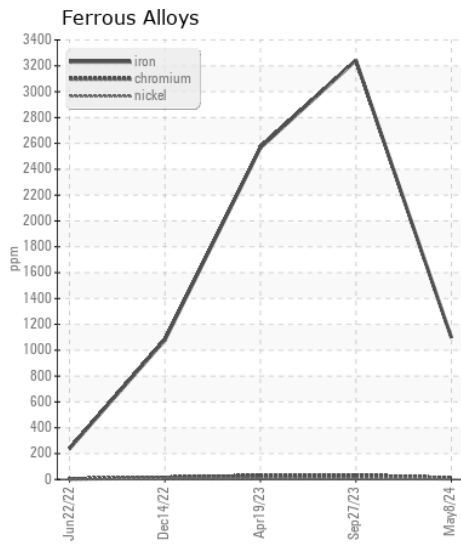
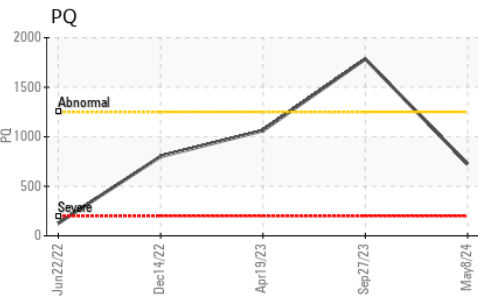
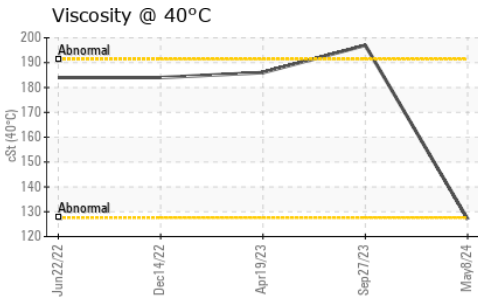
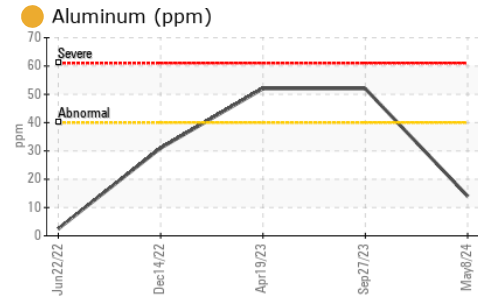
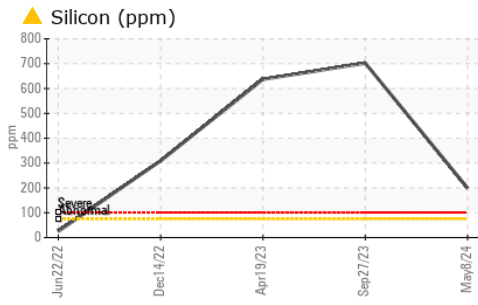
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 199	▲ 702	▲ 637
Potassium	ppm	ASTM D5185m	>20	8	19	15
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	0	2
Boron	ppm	ASTM D5185m		18	83	84
Barium	ppm	ASTM D5185m		1	2	0
Molybdenum	ppm	ASTM D5185m		0	4	1
Manganese	ppm	ASTM D5185m		11	33	26
Magnesium	ppm	ASTM D5185m		3	0	0
Calcium	ppm	ASTM D5185m		21	66	5
Phosphorus	ppm	ASTM D5185m		460	534	583
Zinc	ppm	ASTM D5185m		24	44	<1
Sulfur	ppm	ASTM D5185m		18892	20944	22314
Visc @ 40°C	cSt	ASTM D445		127	197	186



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213053 **Received** : 09 May 2024
Lab Number : 06174749 **Tested** : 10 May 2024
Unique Number : 11020802 **Diagnosed** : 13 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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

Contact: RALEIGH SHOP
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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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