



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W45068]
 Machine Id
JOHN DEERE 245G 1FF245GXKKF801201
 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		JR0202949	JR0160187	JR0154490
Sample Date		Client Info		22 Feb 2024	23 Jan 2023	12 Jan 2023
Machine Age	hrs	Client Info		2991	2631	2681
Oil Age	hrs	Client Info		0	556	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	132	85	105
Iron	ppm	ASTM D5185m	>750	386	321	316
Chromium	ppm	ASTM D5185m	>9	6	5	5
Nickel	ppm	ASTM D5185m	>10	2	2	<1
Titanium	ppm	ASTM D5185m		1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	8	5	6
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	1	<1	1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

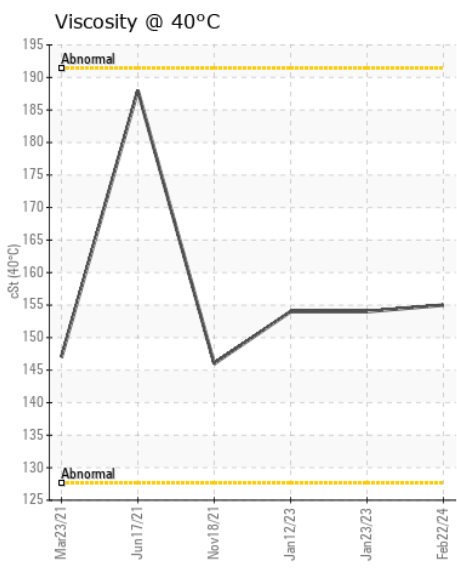
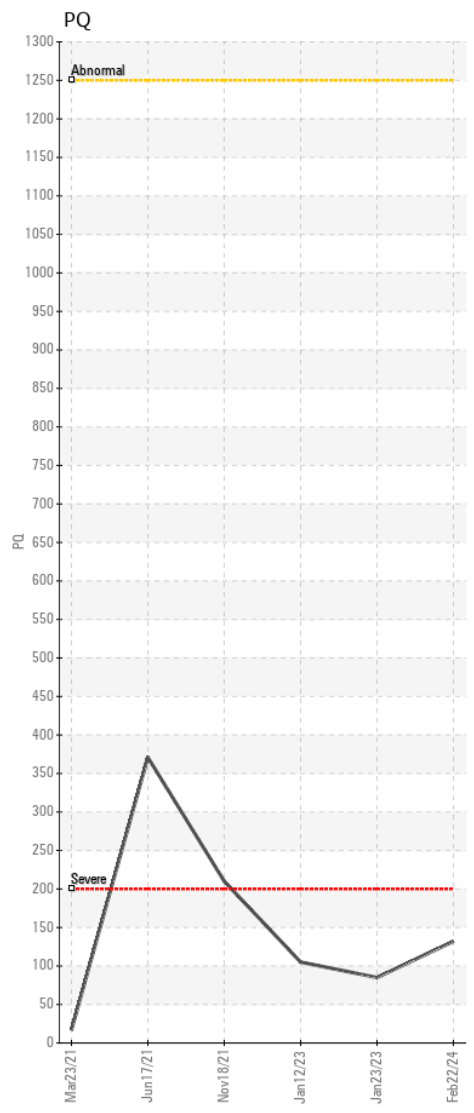
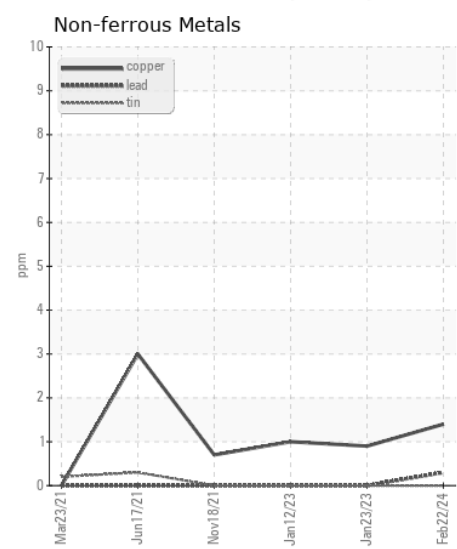
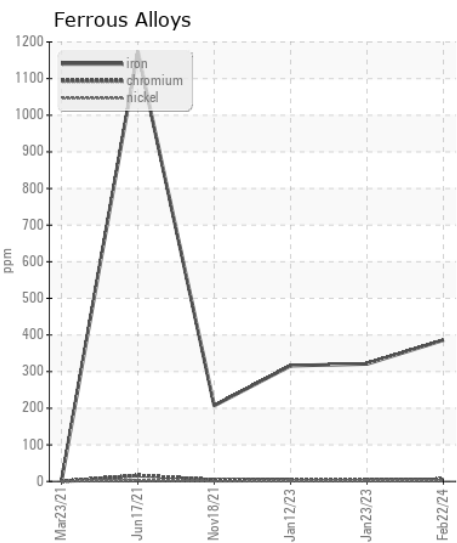
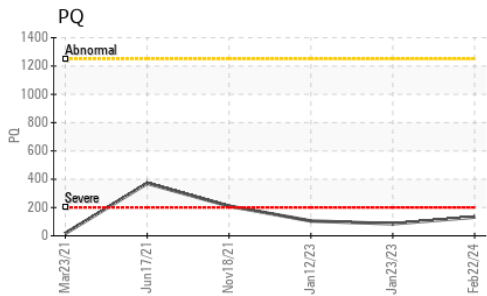
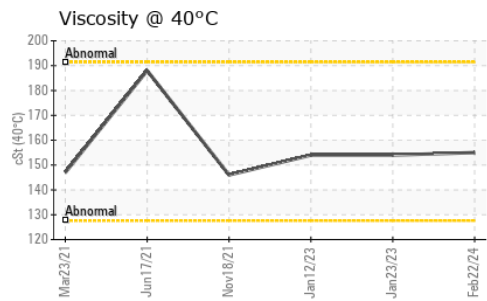
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	60	41	46
Potassium	ppm	ASTM D5185m	>20	10	8	8
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	<1	0
Boron	ppm	ASTM D5185m		8	5	6
Barium	ppm	ASTM D5185m		1	4	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		6	5	5
Magnesium	ppm	ASTM D5185m		3	2	2
Calcium	ppm	ASTM D5185m		14	12	13
Phosphorus	ppm	ASTM D5185m		357	341	340
Zinc	ppm	ASTM D5185m		24	27	24
Sulfur	ppm	ASTM D5185m		16761	16945	17476
Visc @ 40°C	cSt	ASTM D445		155	154	154



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0202949 **Received** : 23 Feb 2024
Lab Number : 06099424 **Tested** : 27 Feb 2024
Unique Number : 10897654 **Diagnosed** : 27 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111
 Contact: DON VEST
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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)