



WEAR  
CONTAMINATION  
FLUID CONDITION

**ATTENTION**  
**ABNORMAL**  
**NORMAL**

Area

[05W47444]

Machine Id

JOHN DEERE 245G 1FF245GXHMF802209

Component

Left Final Drive

Fluid

JOHN DEERE GL-5 80W90 (8 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		JR0218635	JR0214328	JR0203245
Sample Date		Client Info		27 Jun 2024	02 May 2024	19 Feb 2024
Machine Age	hrs	Client Info		3804	3473	3096
Oil Age	hrs	Client Info		950	3231	242
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	None	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	143	203	144
Iron	ppm	ASTM D5185m	>750	1070	622	405
Chromium	ppm	ASTM D5185m	>9	13	7	4
Nickel	ppm	ASTM D5185m	>10	3	2	<1
Titanium	ppm	ASTM D5185m		2	2	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	11	11	5
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	3	2	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

### CONTAMINATION

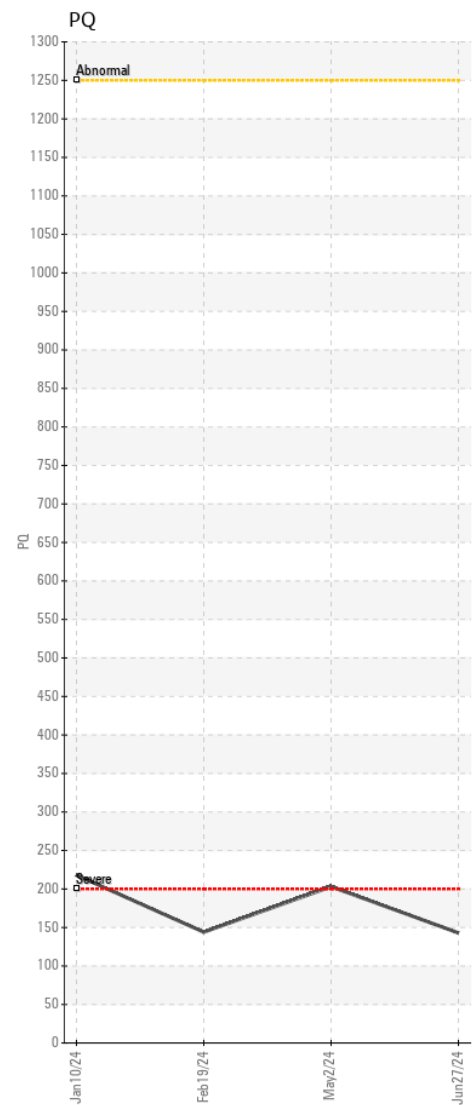
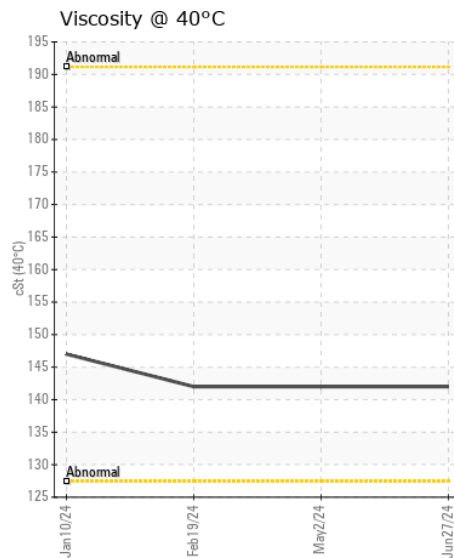
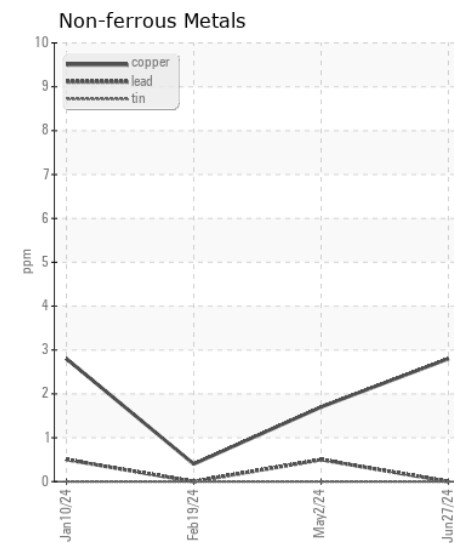
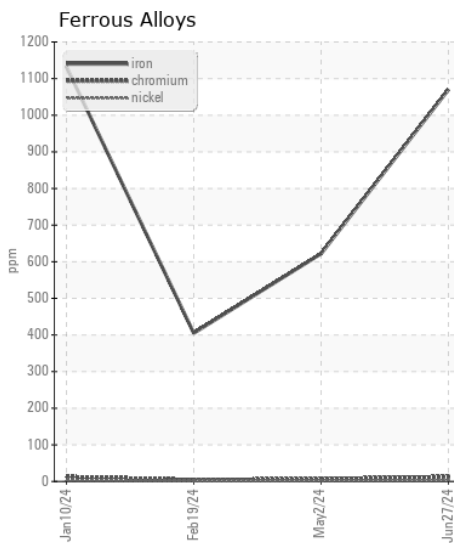
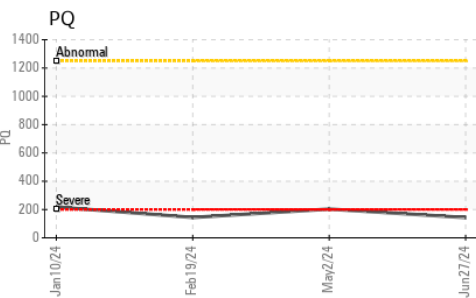
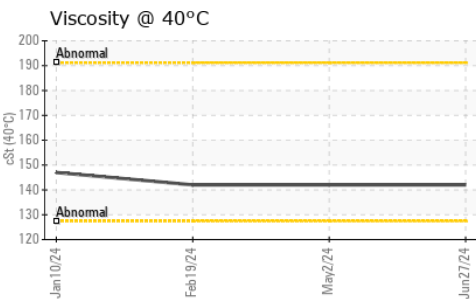
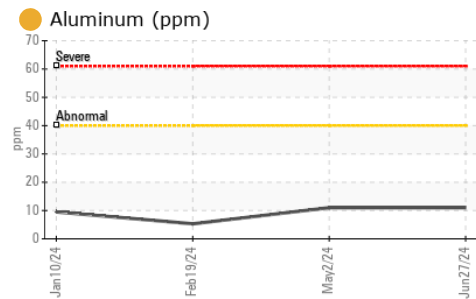
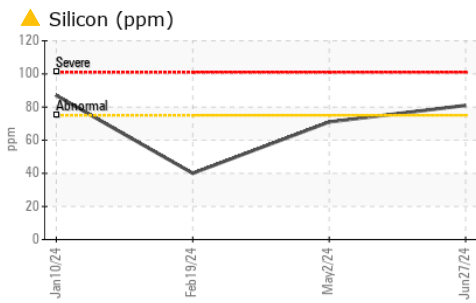
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	81	71	40
Potassium	ppm	ASTM D5185m	>20	7	4	<1
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	3	0	<1
Boron	ppm	ASTM D5185m		17	10	8
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		3	1	<1
Manganese	ppm	ASTM D5185m		12	6	4
Magnesium	ppm	ASTM D5185m		18	4	3
Calcium	ppm	ASTM D5185m		38	25	77
Phosphorus	ppm	ASTM D5185m		364	389	360
Zinc	ppm	ASTM D5185m		18	11	20
Sulfur	ppm	ASTM D5185m		22759	22127	18695
Visc @ 40°C	cSt	ASTM D445		142	142	142



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0218635

Lab Number : 06223745

Unique Number : 11101942

Test Package : CONST ( Additional Tests: PQ )

Received : 28 Jun 2024

Tested : 01 Jul 2024

Diagnosed : 01 Jul 2024 - Don Baldrige

JRE - MANASSAS PARK

9107 OWENS DRIVE

MANASSAS PARK, VA

US 20111

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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)