



Area

[05W47444]

Machine Id

JOHN DEERE 245G 1FF245GXHMF802209

Component

Right 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.

WEAR

All component wear rates are normal for time on oil.

CONTAMINATION

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

FLUID CONDITION

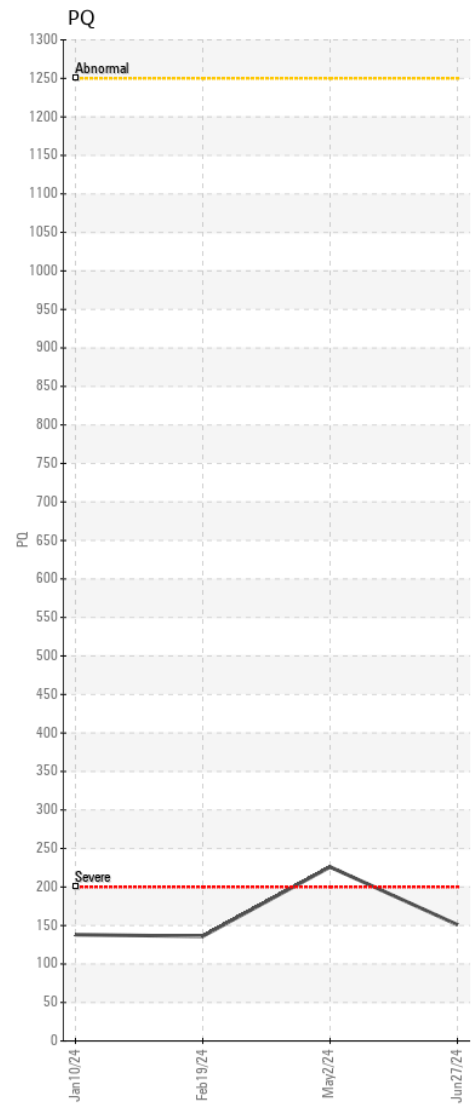
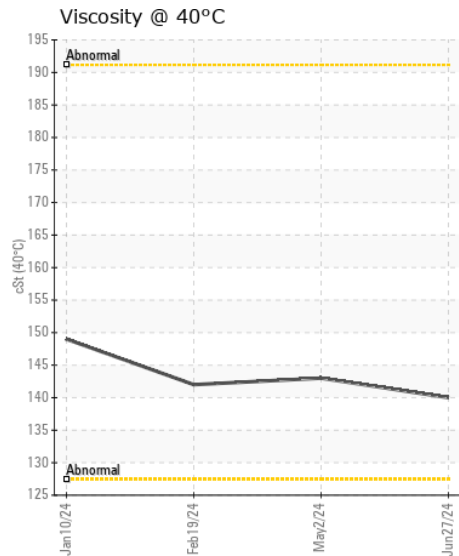
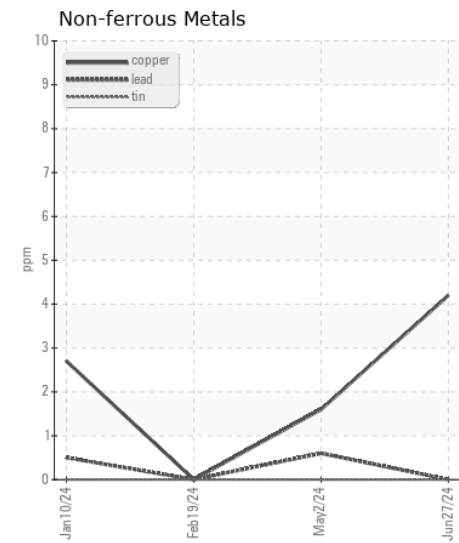
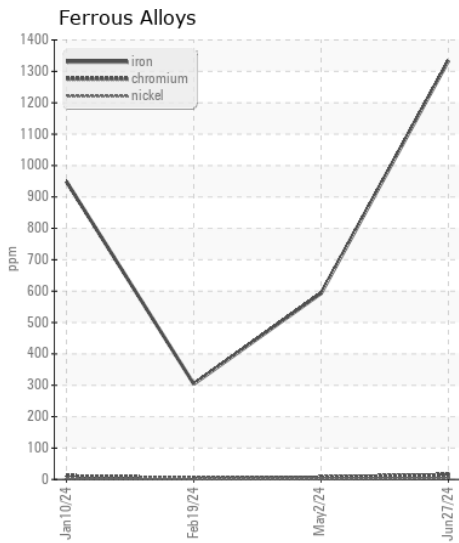
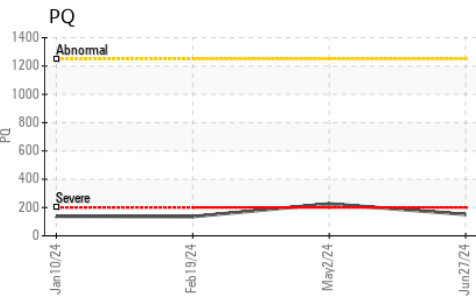
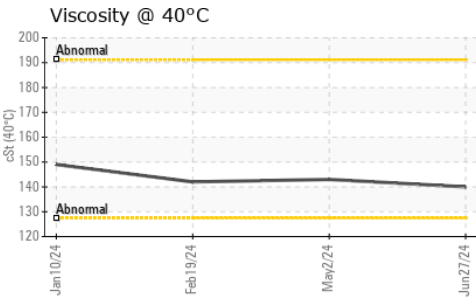
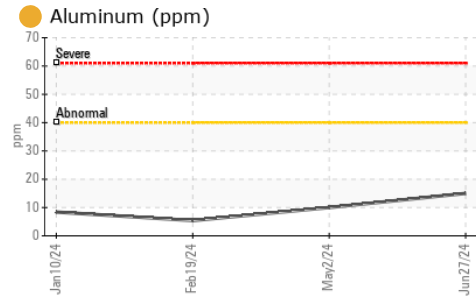
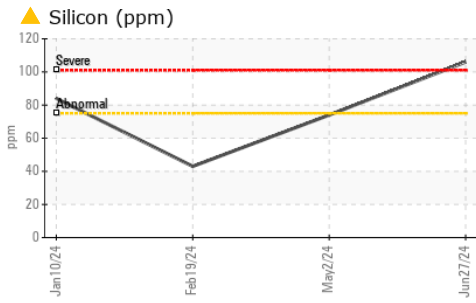
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218634	JR0214329	JR0203244
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

PQ		ASTM D8184	>1250	151	226	136
Iron	ppm	ASTM D5185m	>750	1334	593	304
Chromium	ppm	ASTM D5185m	>9	15	7	3
Nickel	ppm	ASTM D5185m	>10	4	2	<1
Titanium	ppm	ASTM D5185m		3	3	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	15	10	5
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	4	2	0
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	▲ 106	74	43
Potassium	ppm	ASTM D5185m	>20	7	4	0
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

Sodium	ppm	ASTM D5185m	>51	3	0	<1
Boron	ppm	ASTM D5185m		18	9	13
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	1	5
Manganese	ppm	ASTM D5185m		13	6	3
Magnesium	ppm	ASTM D5185m		7	5	24
Calcium	ppm	ASTM D5185m		88	34	45
Phosphorus	ppm	ASTM D5185m		377	372	372
Zinc	ppm	ASTM D5185m		15	10	21
Sulfur	ppm	ASTM D5185m		23842	20742	18933
Visc @ 40°C	cSt	ASTM D445		140	143	142



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218634 **Received** : 28 Jun 2024
Lab Number : 06223763 **Tested** : 01 Jul 2024
Unique Number : 11101960 **Diagnosed** : 01 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111

Contact: DON VEST
 dvest@jamesriverequipment.com
 T: (703)631-8500
 F: (703)631-4715

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)