



Area

[47942]

Machine Id

JOHN DEERE 85G 1FF085GXJNJ024386

Component

Right Final Drive

Fluid

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

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.

CONTAMINATION

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

FLUID CONDITION

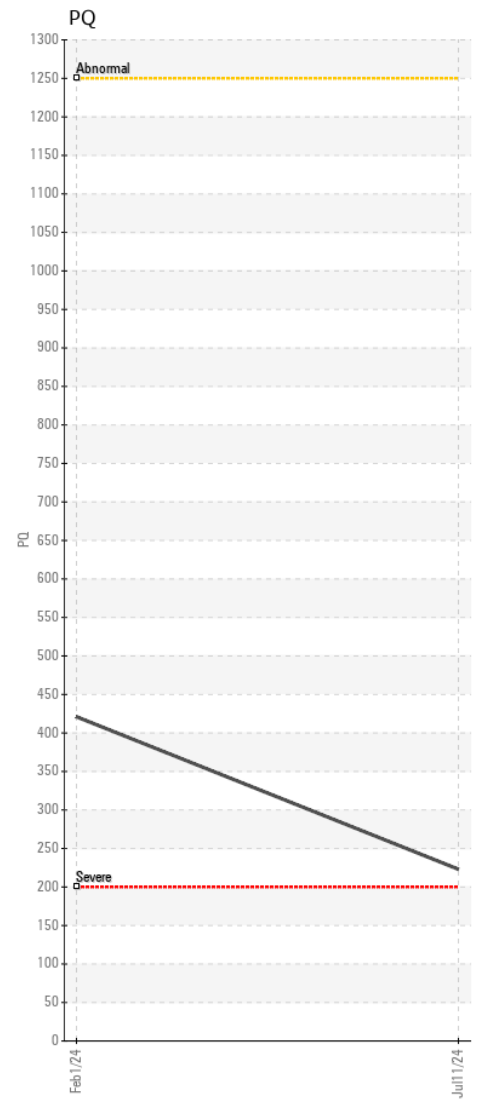
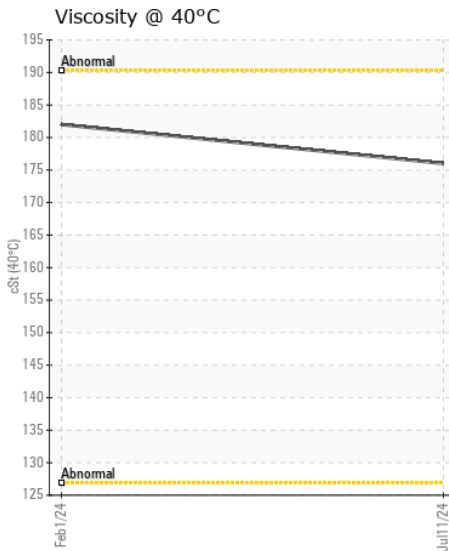
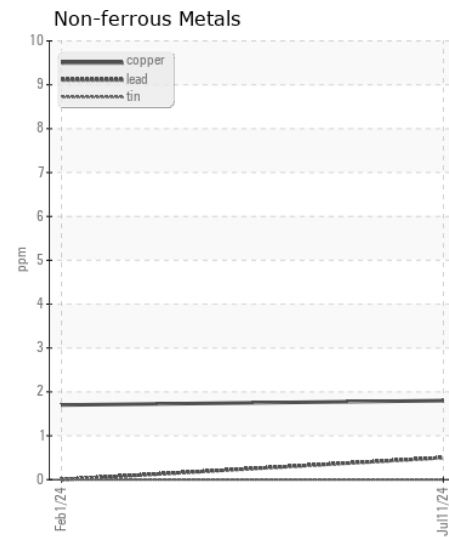
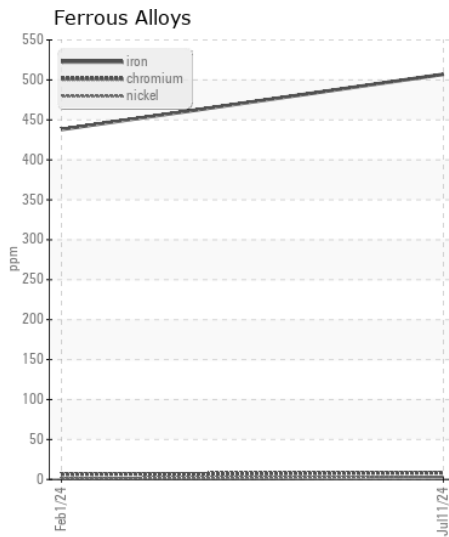
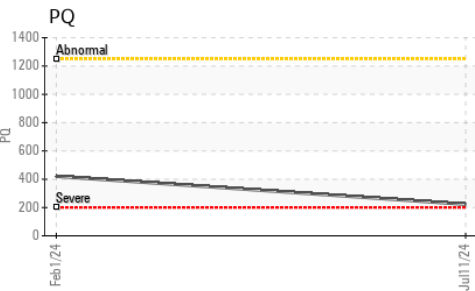
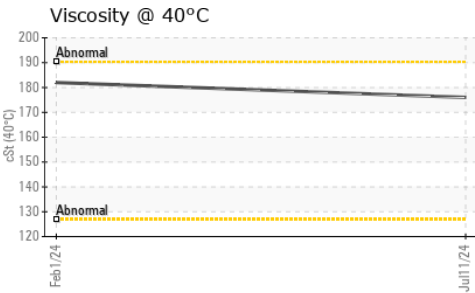
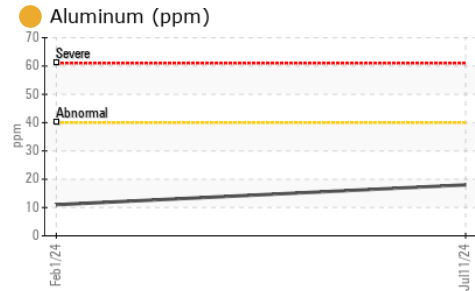
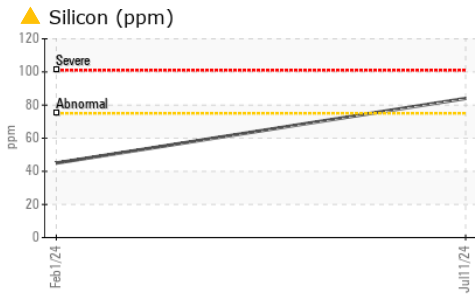
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218571	JR0199207	---
Sample Date		Client Info		11 Jul 2024	01 Feb 2024	---
Machine Age	hrs	Client Info		925	595	---
Oil Age	hrs	Client Info		925	595	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	None	---
Sample Status				ABNORMAL	NORMAL	---

PQ		ASTM D8184	>1250	223	421	---
Iron	ppm	ASTM D5185m	>750	507	438	---
Chromium	ppm	ASTM D5185m	>9	8	6	---
Nickel	ppm	ASTM D5185m	>10	3	1	---
Titanium	ppm	ASTM D5185m		3	2	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	18	11	---
Lead	ppm	ASTM D5185m	>15	<1	0	---
Copper	ppm	ASTM D5185m	>40	2	2	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

Silicon	ppm	ASTM D5185m	>75	84	45	---
Potassium	ppm	ASTM D5185m	>20	5	2	---
Water		WC Method	>0.075	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	---

Sodium	ppm	ASTM D5185m	>51	1	2	---
Boron	ppm	ASTM D5185m		54	61	---
Barium	ppm	ASTM D5185m		51	54	---
Molybdenum	ppm	ASTM D5185m		7	0	---
Manganese	ppm	ASTM D5185m		8	7	---
Magnesium	ppm	ASTM D5185m		19	<1	---
Calcium	ppm	ASTM D5185m		39	21	---
Phosphorus	ppm	ASTM D5185m		513	503	---
Zinc	ppm	ASTM D5185m		127	93	---
Sulfur	ppm	ASTM D5185m		13332	13933	---
Visc @ 40°C	cSt	ASTM D445		176	182	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218571 **Received** : 15 Jul 2024
Lab Number : 06236427 **Tested** : 16 Jul 2024
Unique Number : 11125261 **Diagnosed** : 17 Jul 2024 - Sean Felton
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)