



Machine Id
JOHN DEERE 60G 1FF060GXJHJ288883
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

The iron and chrome levels are severe. Gear wear is indicated.

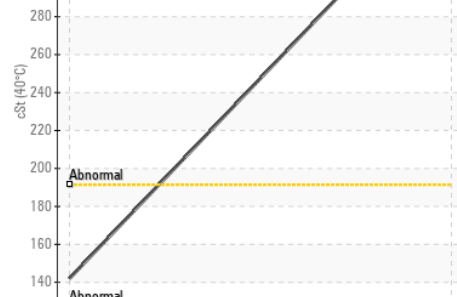
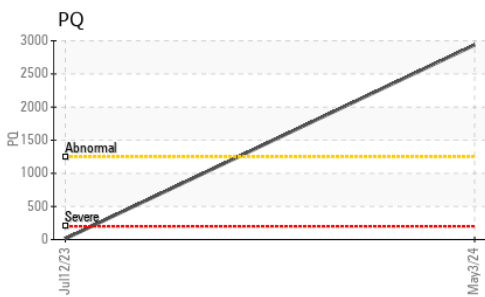
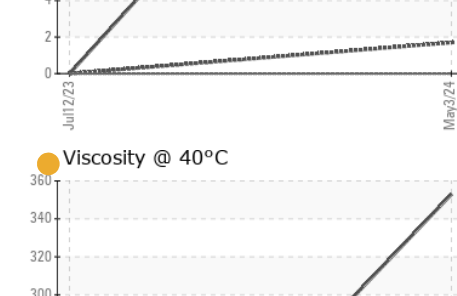
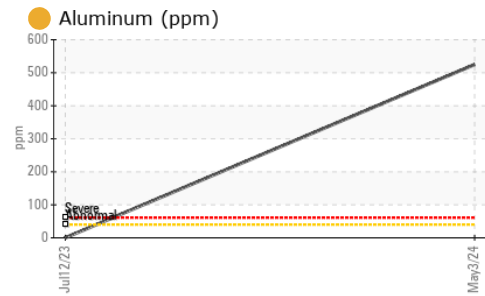
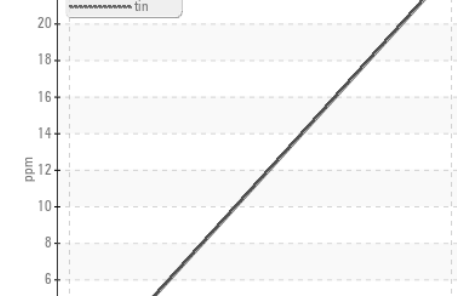
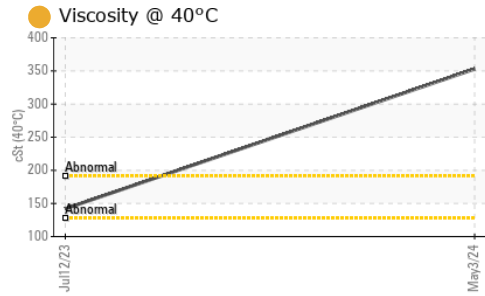
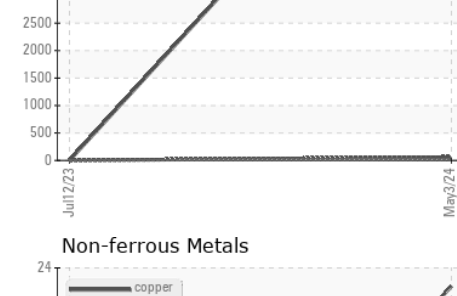
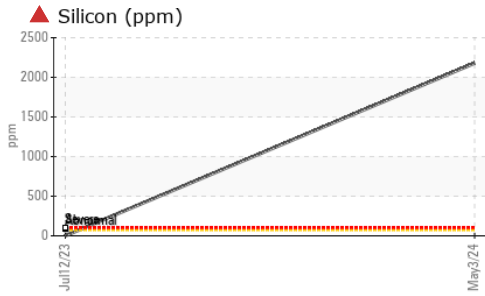
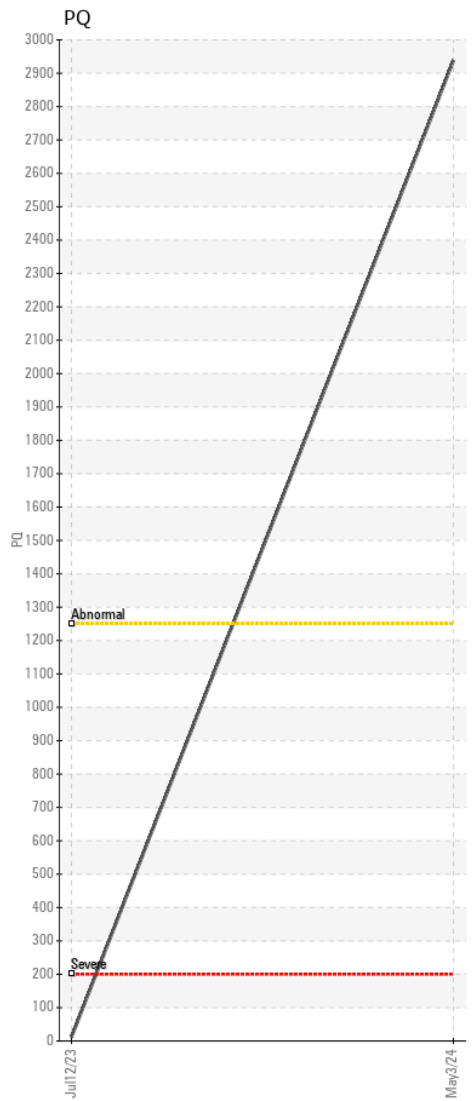
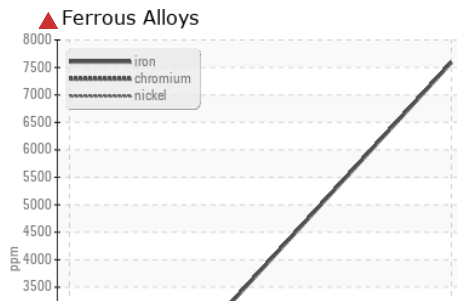
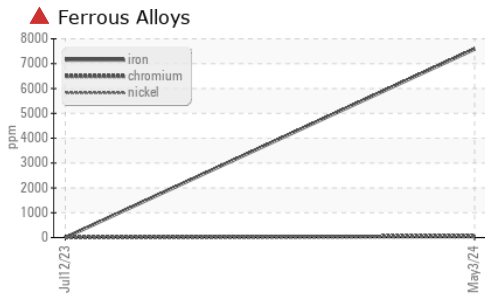
CONTAMINATION

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

FLUID CONDITION

The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0212490	JR0175288	---
Sample Date		Client Info		03 May 2024	12 Jul 2023	---
Machine Age	hrs	Client Info		5006	4563	---
Oil Age	hrs	Client Info		5006	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	N/A	---
Filter Changed		Client Info		N/A	None	---
Sample Status				SEVERE	NORMAL	---
PQ		ASTM D8184	>1250	2938	12	---
Iron	ppm	ASTM D5185m	>750	▲ 7588	<1	---
Chromium	ppm	ASTM D5185m	>9	▲ 61	0	---
Nickel	ppm	ASTM D5185m	>10	▲ 14	<1	---
Titanium	ppm	ASTM D5185m		33	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	● 525	<1	---
Lead	ppm	ASTM D5185m	>15	2	0	---
Copper	ppm	ASTM D5185m	>40	23	0	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		2	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	▲ 2179	<1	---
Potassium	ppm	ASTM D5185m	>20	100	<1	---
Water		WC Method	>0.075	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
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	23	0	---
Boron	ppm	ASTM D5185m		24	0	---
Barium	ppm	ASTM D5185m		0	2	---
Molybdenum	ppm	ASTM D5185m		8	0	---
Manganese	ppm	ASTM D5185m		48	0	---
Magnesium	ppm	ASTM D5185m		27	1	---
Calcium	ppm	ASTM D5185m		48	24	---
Phosphorus	ppm	ASTM D5185m		855	293	---
Zinc	ppm	ASTM D5185m		33	9	---
Sulfur	ppm	ASTM D5185m		39221	20322	---
Visc @ 40°C	cSt	ASTM D445		● 353	142	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212490 **Received** : 09 May 2024
Lab Number : 06174133 **Tested** : 10 May 2024
Unique Number : 11020186 **Diagnosed** : 12 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
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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)