



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 50G 1FF050GXAKH291948
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (1 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0212170	JR0136988	---
Sample Date		Client Info		28 May 2024	12 Jul 2022	---
Machine Age	hrs	Client Info		2377	1896	---
Oil Age	hrs	Client Info		500	1896	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		N/A	None	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal for time on oil.

PQ		ASTM D8184	>1250	130	312	---
Iron	ppm	ASTM D5185m	>750	936	▲ 1655	---
Chromium	ppm	ASTM D5185m	>9	12	▲ 25	---
Nickel	ppm	ASTM D5185m	>10	5	6	---
Titanium	ppm	ASTM D5185m		2	5	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	20	● 60	---
Lead	ppm	ASTM D5185m	>15	<1	<1	---
Copper	ppm	ASTM D5185m	>40	7	5	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

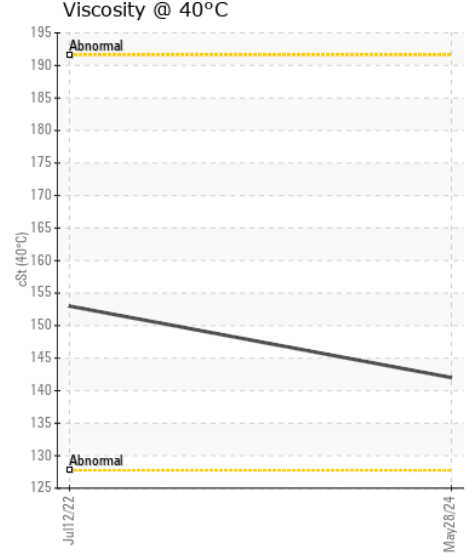
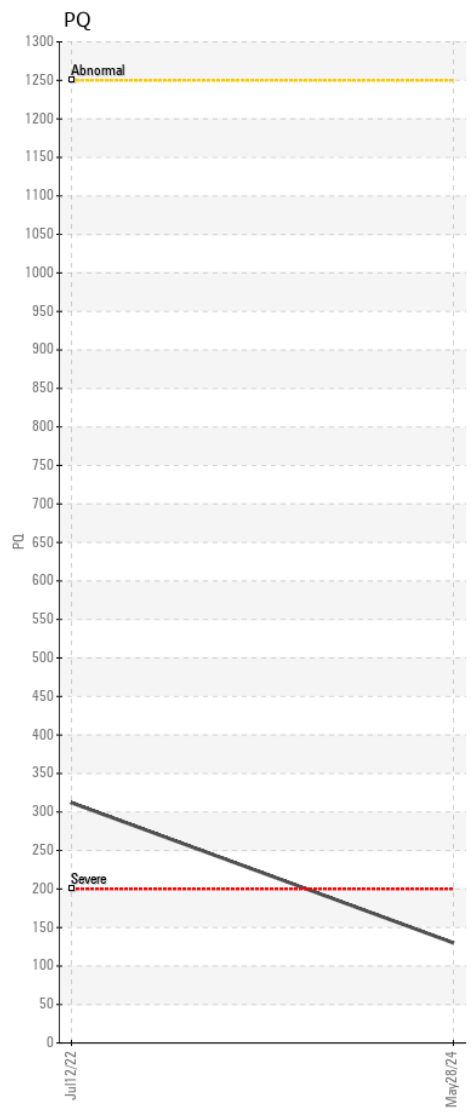
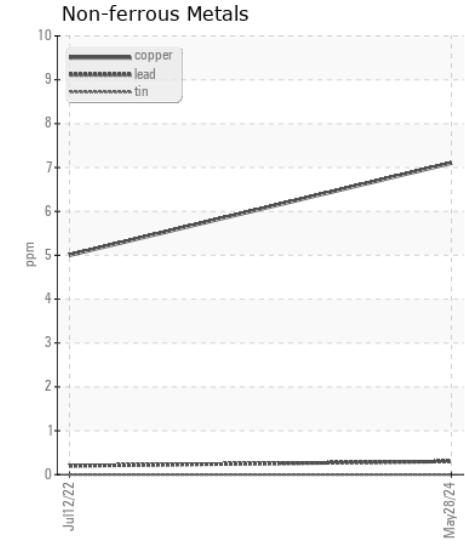
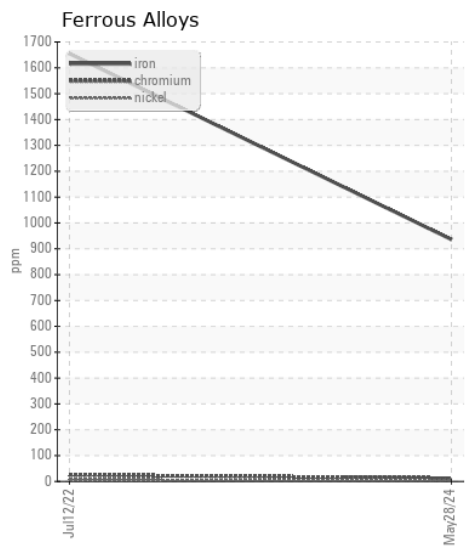
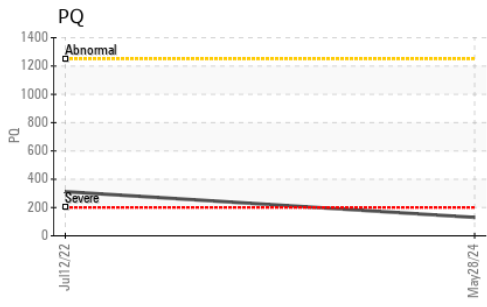
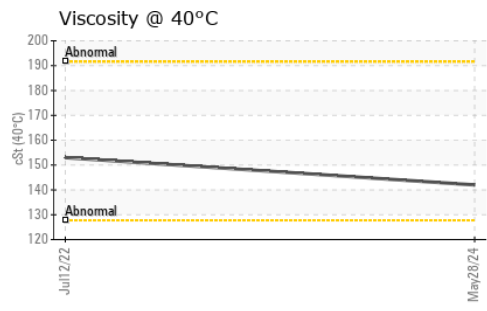
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	74	▲ 190	---
Potassium	ppm	ASTM D5185m	>20	6	14	---
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	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	1	3	---
Boron	ppm	ASTM D5185m		32	111	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		9	22	---
Magnesium	ppm	ASTM D5185m		5	7	---
Calcium	ppm	ASTM D5185m		77	18	---
Phosphorus	ppm	ASTM D5185m		482	843	---
Zinc	ppm	ASTM D5185m		103	134	---
Sulfur	ppm	ASTM D5185m		20815	27178	---
Visc @ 40°C	cSt	ASTM D445		142	153	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212170 **Received** : 29 May 2024
Lab Number : 06194711 **Tested** : 31 May 2024
Unique Number : 11056834 **Diagnosed** : 31 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)