



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

[W8874]

Machine Id

JOHN DEERE 544G 1YN544GAPPLA00193

Component

Transmission (Manual)

Fluid

JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W8874)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196939	---	---
Sample Date		Client Info		08 May 2024	---	---
Machine Age	hrs	Client Info		996	---	---
Oil Age	hrs	Client Info		996	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	16	---	---
Iron	ppm	ASTM D5185m	>200	21	---	---
Chromium	ppm	ASTM D5185m	>5	<1	---	---
Nickel	ppm	ASTM D5185m	>5	<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m	>7	0	---	---
Aluminum	ppm	ASTM D5185m	>25	<1	---	---
Lead	ppm	ASTM D5185m	>45	2	---	---
Copper	ppm	ASTM D5185m	>225	10	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

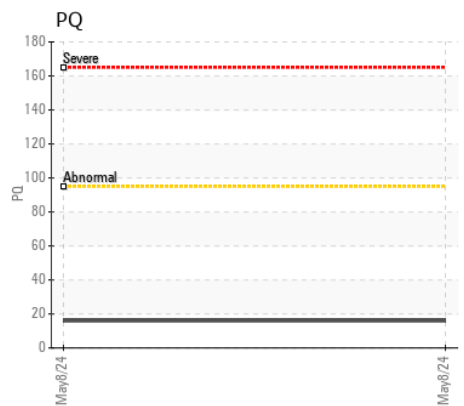
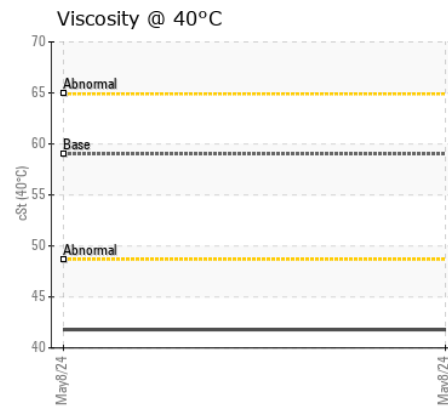
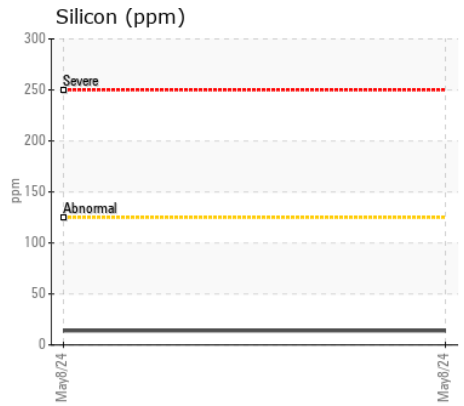
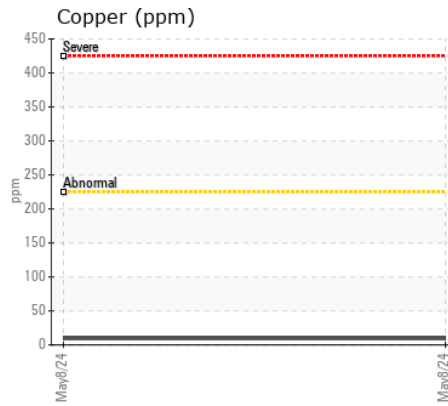
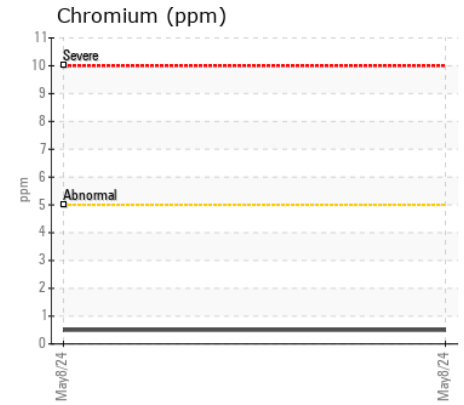
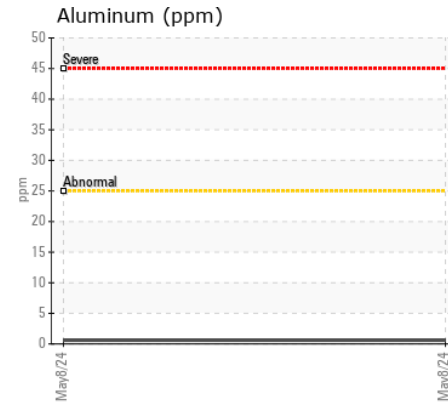
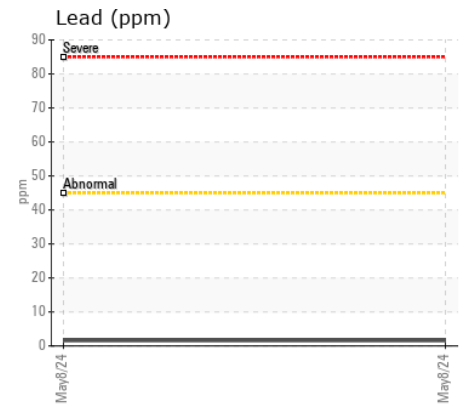
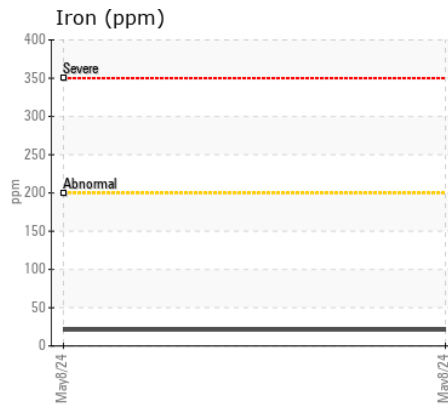
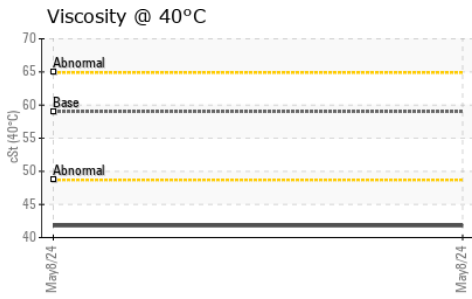
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	14	---	---
Potassium	ppm	ASTM D5185m	>20	7	---	---
Water		WC Method	>0.1	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		19	---	---
Boron	ppm	ASTM D5185m		5	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		2	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m		80	---	---
Calcium	ppm	ASTM D5185m		2993	---	---
Phosphorus	ppm	ASTM D5185m		959	---	---
Zinc	ppm	ASTM D5185m		1116	---	---
Sulfur	ppm	ASTM D5185m		3518	---	---
Visc @ 40°C	cSt	ASTM D445	59	41.8	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196939 **Received** : 09 May 2024
Lab Number : 06174101 **Tested** : 12 May 2024
Unique Number : 11020154 **Diagnosed** : 12 May 2024 - Don Baldrige
Test Package : MOBCE (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529

Contact: RALEIGH SHOP
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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)

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