



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[W9145]

Machine Id

JOHN DEERE 300G 1FF300GXKNF732047

Component

Left Final Drive

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W9145)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0224164	JR0170373	---
Sample Date		Client Info		08 Jul 2024	03 Aug 2023	---
Machine Age	hrs	Client Info		1780	973	---
Oil Age	hrs	Client Info		1780	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	77	144	---
Iron	ppm	ASTM D5185m	>750	127	145	---
Chromium	ppm	ASTM D5185m	>9	3	3	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	<1	1	---
Lead	ppm	ASTM D5185m	>15	0	<1	---
Copper	ppm	ASTM D5185m	>40	<1	<1	---
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	---

CONTAMINATION

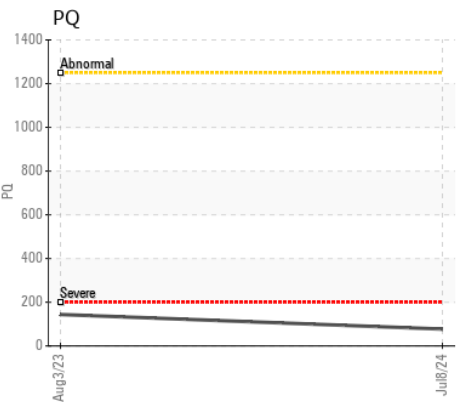
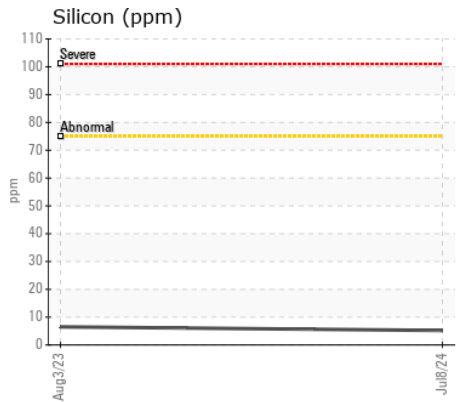
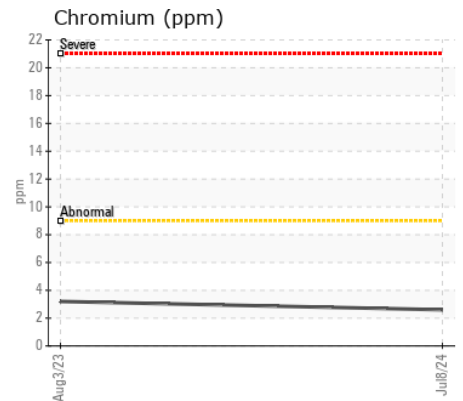
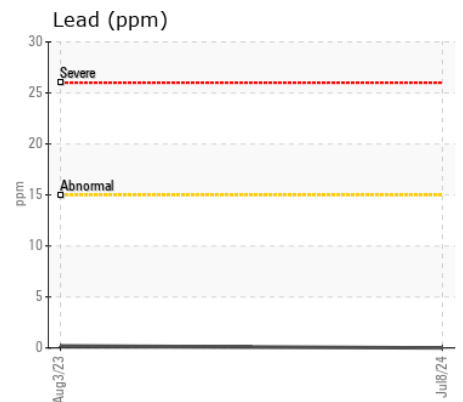
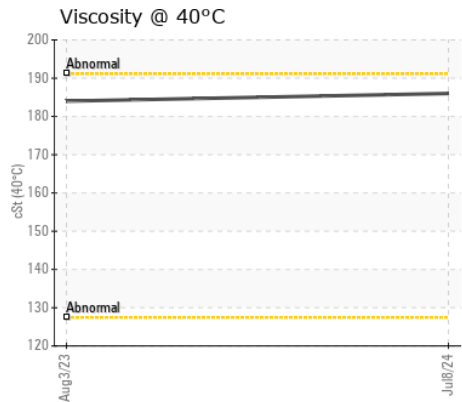
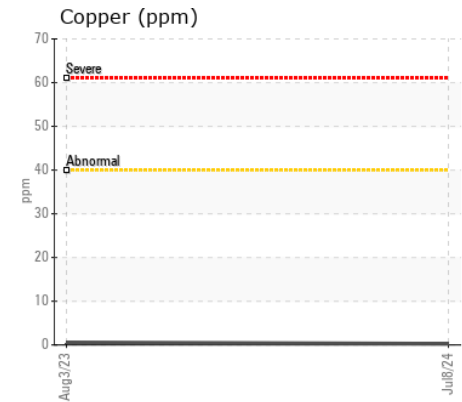
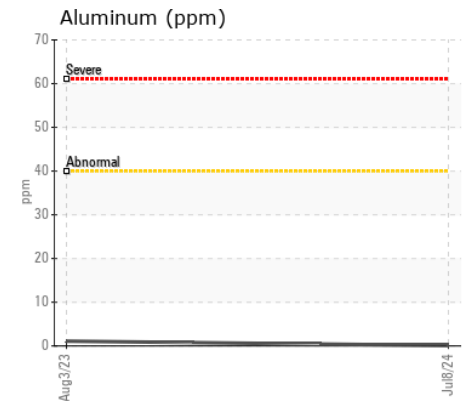
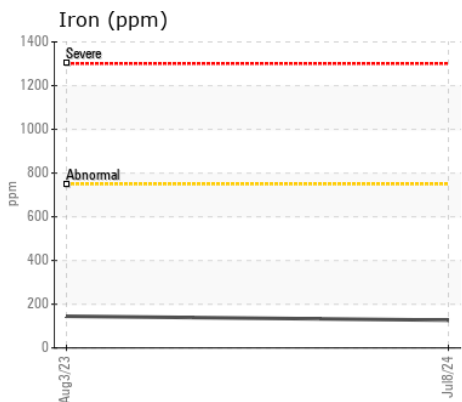
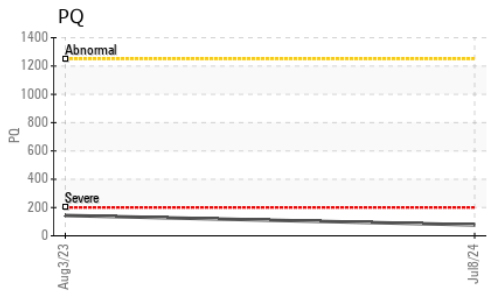
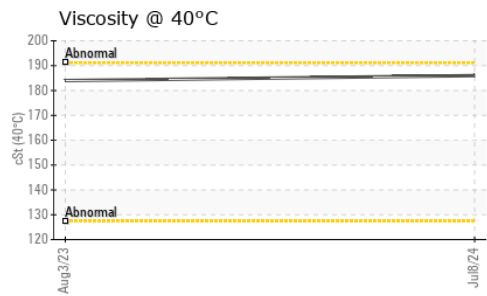
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	5	6	---
Potassium	ppm	ASTM D5185m	>20	5	5	---
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	3	2	---
Boron	ppm	ASTM D5185m		50	66	---
Barium	ppm	ASTM D5185m		5	0	---
Molybdenum	ppm	ASTM D5185m		0	<1	---
Manganese	ppm	ASTM D5185m		3	3	---
Magnesium	ppm	ASTM D5185m		2	0	---
Calcium	ppm	ASTM D5185m		12	11	---
Phosphorus	ppm	ASTM D5185m		505	524	---
Zinc	ppm	ASTM D5185m		22	15	---
Sulfur	ppm	ASTM D5185m		16724	17906	---
Visc @ 40°C	cSt	ASTM D445		186	184	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0224164 **Received** : 09 Jul 2024
Lab Number : 06231661 **Tested** : 10 Jul 2024
Unique Number : 11115154 **Diagnosed** : 11 Jul 2024 - Don Baldridge
Test Package : MOBCE (Additional Tests: PQ)

JRE - STEPHENSON
 245 YARDMASTER COURT
 STEPHENSON, VA
 US 22656-1761
 Contact: PHIL DAUGHERTY
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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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