



WEAR	SEVERE
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
[W26678]
 Machine Id
JOHN DEERE 350GLC 1FF350GXVHF812197
 Component
Transmission
 Fluid
{not provided} (--- QTS)

RECOMMENDATION

The fluid change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0093715	---	---
Sample Date		Client Info		09 Jul 2021	---	---
Machine Age	hrs	Client Info		5154	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---

WEAR

Moderate concentration of visible metal present. Gear wear is indicated.

PQ		ASTM D8184	>100	76	---	---
Iron	ppm	ASTM D5185m	>61	▲ 425	---	---
Chromium	ppm	ASTM D5185m	>10	6	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>20	13	---	---
Lead	ppm	ASTM D5185m	>9	<1	---	---
Copper	ppm	ASTM D5185m	>100	<1	---	---
Tin	ppm	ASTM D5185m	>3	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	▲ MODER	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

Elemental level of silicon (Si) above normal.

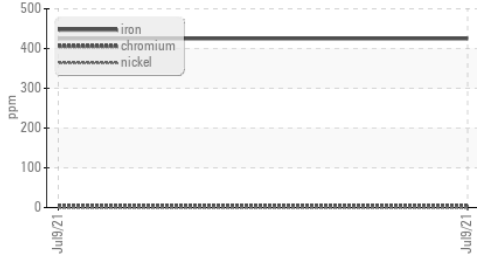
Silicon	ppm	ASTM D5185m	>21	▲ 34	---	---
Potassium	ppm	ASTM D5185m	>20	3	---	---
Water		WC Method	>0.075	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.075	NEG	---	---

FLUID CONDITION

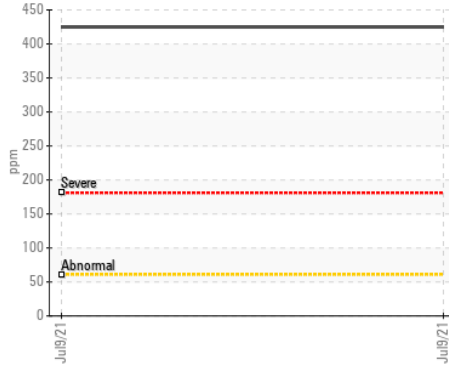
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>30	6	---	---
Boron	ppm	ASTM D5185m		136	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		18	---	---
Manganese	ppm	ASTM D5185m		5	---	---
Magnesium	ppm	ASTM D5185m		657	---	---
Calcium	ppm	ASTM D5185m		1309	---	---
Phosphorus	ppm	ASTM D5185m		1047	---	---
Zinc	ppm	ASTM D5185m		1132	---	---
Sulfur	ppm	ASTM D5185m		3287	---	---
Visc @ 40°C	cSt	ASTM D445		63.4	---	---

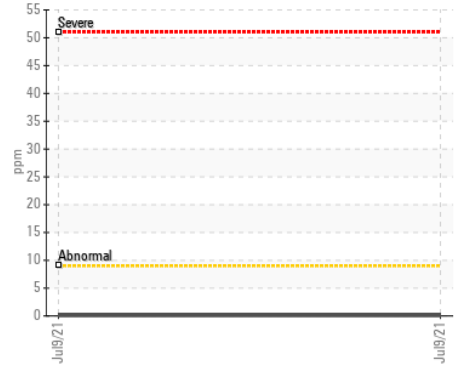
▲ Ferrous Alloys



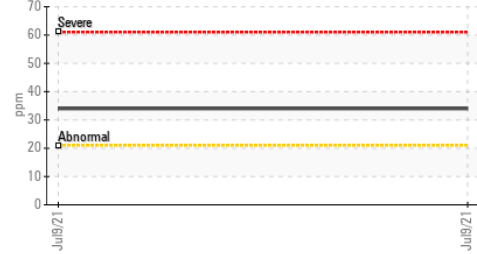
▲ Iron (ppm)



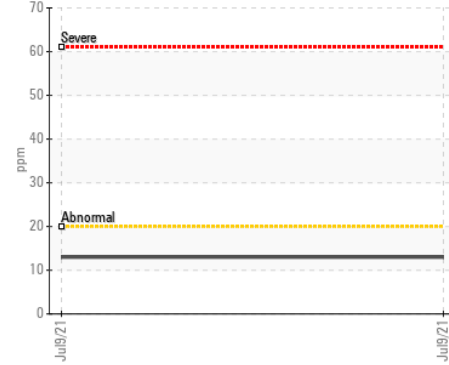
Lead (ppm)



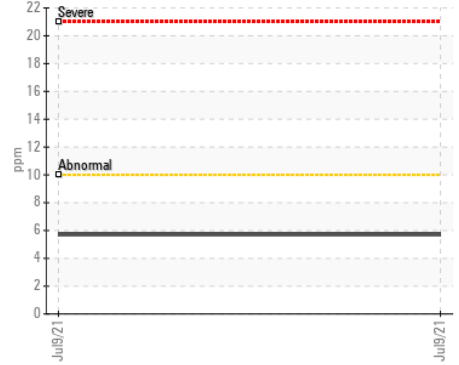
▲ Silicon (ppm)



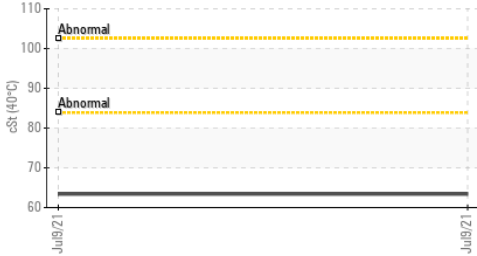
Aluminum (ppm)



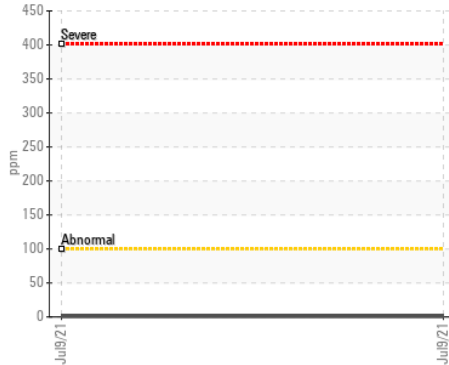
Chromium (ppm)



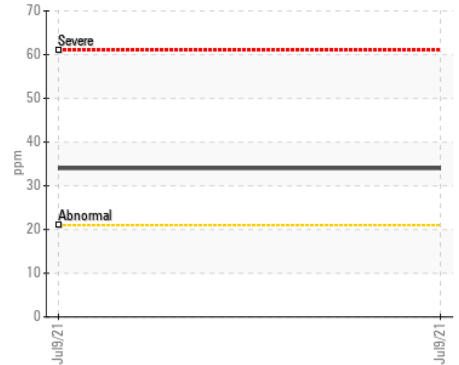
Viscosity @ 40°C



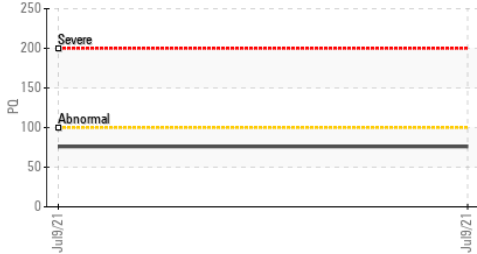
Copper (ppm)



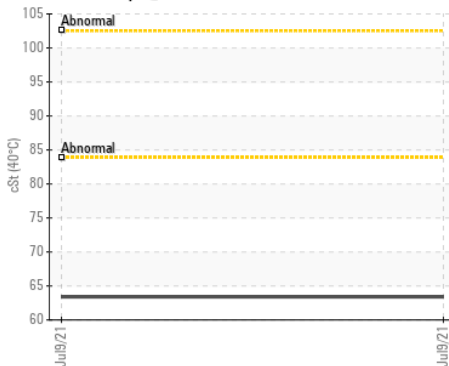
▲ Silicon (ppm)



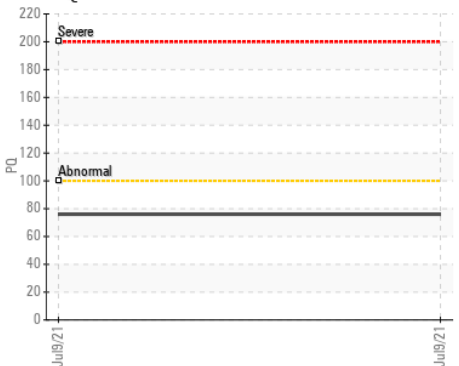
PQ



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0093715

Lab Number : 05304075

Unique Number : 9583035

Test Package : MOBCE (Additional Tests: PQ)

Received : 15 Jul 2021

Tested : 17 Jul 2021

Diagnosed : 18 Jul 2021 - Don Baldridge

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)