



WEAR	<b>SEVERE</b>
CONTAMINATION	<b>SEVERE</b>
FLUID CONDITION	<b>NORMAL</b>

Area

**[W11786 WELLS CONST]**

Machine Id

**JOHN DEERE 333G 1T0333GMCHF313485**

Component

**Right 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

Gear wear is indicated.

### CONTAMINATION

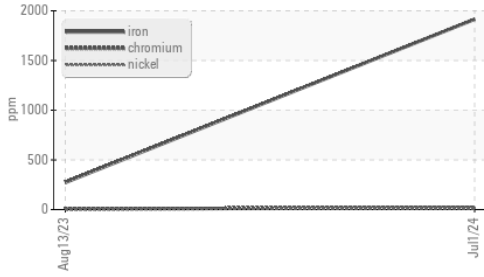
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

### FLUID CONDITION

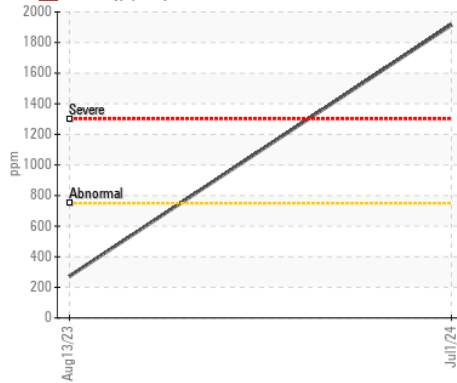
The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0207521</b>	JR0170639	---
Sample Date		Client Info		<b>01 Jul 2024</b>	13 Aug 2023	---
Machine Age	hrs	Client Info		<b>2150</b>	2150	---
Oil Age	hrs	Client Info		<b>2150</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>SEVERE</b>	NORMAL	---
PQ		ASTM D8184	>1250	<b>380</b>	32	---
Iron	ppm	ASTM D5185m	>750	<b>▲ 1915</b>	272	---
Chromium	ppm	ASTM D5185m	>9	<b>▲ 21</b>	6	---
Nickel	ppm	ASTM D5185m	>10	<b>8</b>	4	---
Titanium	ppm	ASTM D5185m		<b>9</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>● 131</b>	9	---
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>40	<b>4</b>	2	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silicon	ppm	ASTM D5185m	>75	<b>▲ 516</b>	31	---
Potassium	ppm	ASTM D5185m	>20	<b>52</b>	16	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	NEG	---
Sodium	ppm	ASTM D5185m	>51	<b>4</b>	7	---
Boron	ppm	ASTM D5185m		<b>34</b>	34	---
Barium	ppm	ASTM D5185m		<b>5</b>	20	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	0	---
Manganese	ppm	ASTM D5185m		<b>20</b>	4	---
Magnesium	ppm	ASTM D5185m		<b>23</b>	15	---
Calcium	ppm	ASTM D5185m		<b>49</b>	28	---
Phosphorus	ppm	ASTM D5185m		<b>389</b>	518	---
Zinc	ppm	ASTM D5185m		<b>42</b>	69	---
Sulfur	ppm	ASTM D5185m		<b>23274</b>	24065	---
Visc @ 40°C	cSt	ASTM D445		<b>134</b>	129	---

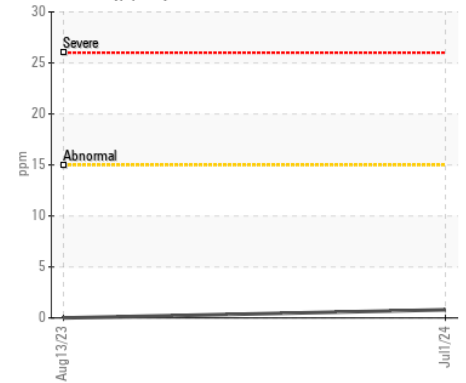
▲ Ferrous Alloys



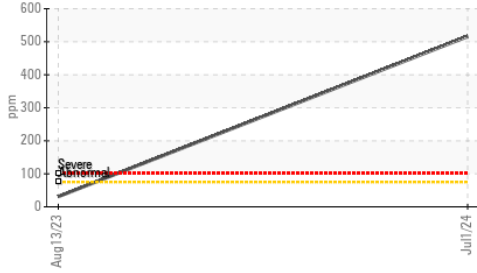
▲ Iron (ppm)



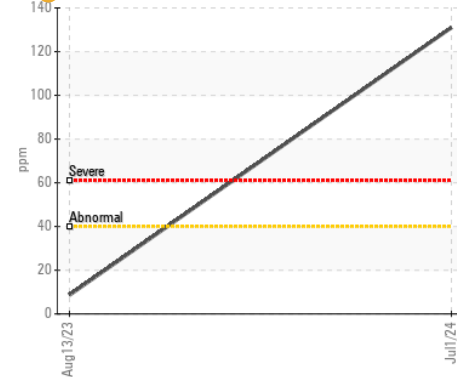
Lead (ppm)



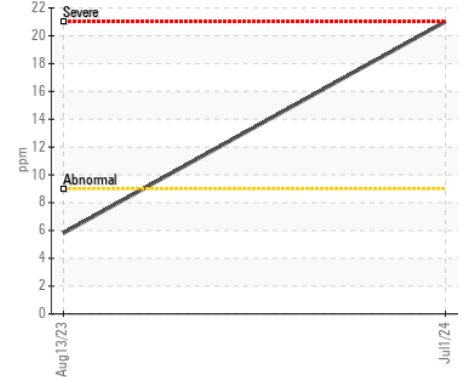
▲ Silicon (ppm)



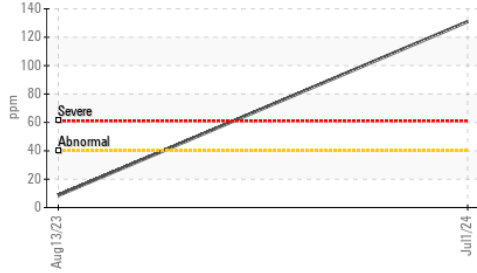
● Aluminum (ppm)



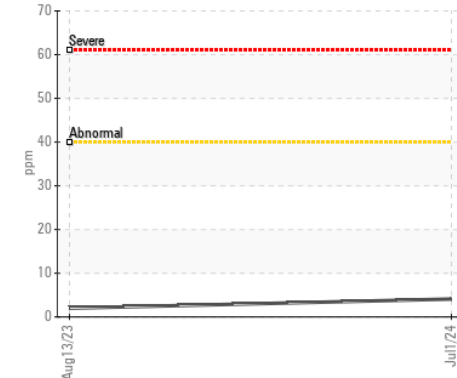
▲ Chromium (ppm)



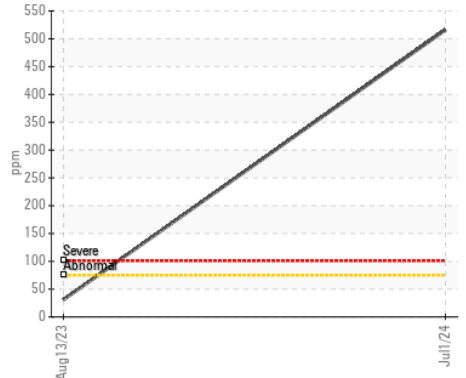
● Aluminum (ppm)



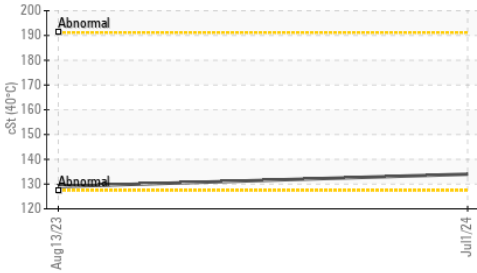
Copper (ppm)



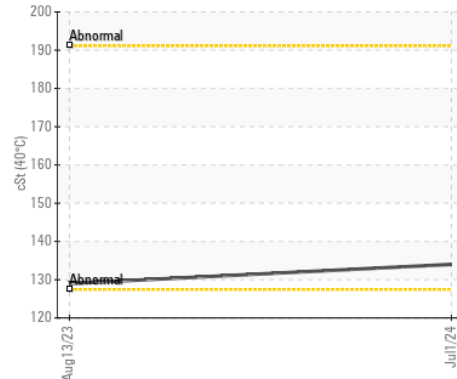
▲ Silicon (ppm)



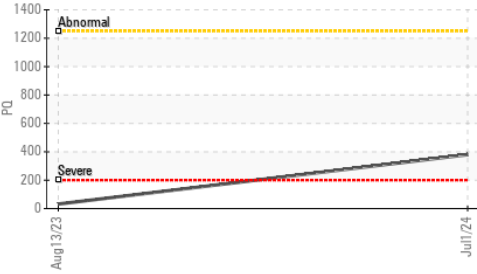
Viscosity @ 40°C



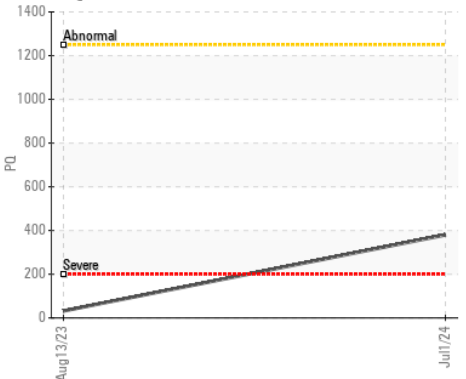
Viscosity @ 40°C



PQ



PQ



Certificate L2367

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

Sample No. : JR0207521

Lab Number : 06230461

Unique Number : 11113954

Test Package : MOBCE ( Additional Tests: PQ )

Received : 08 Jul 2024

Tested : 10 Jul 2024

Diagnosed : 10 Jul 2024 - Don Baldridge

JRE - SALEM

3902 W. MAIN STREET

SALEM, VA

US 24153

Contact: BRETT LAWRENCE

brett.lawrence@jamesriverequipment.com

T:

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)

F: (540)380-5547