



Machine Id  
**JOHN DEERE 47**  
 Component  
**Left Propel Gearbox**  
 Fluid  
**{not provided} (--- 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

The iron level is severe. Gear wear is indicated.

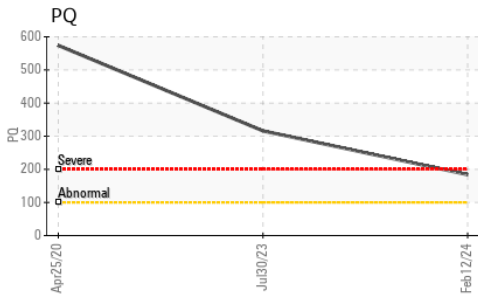
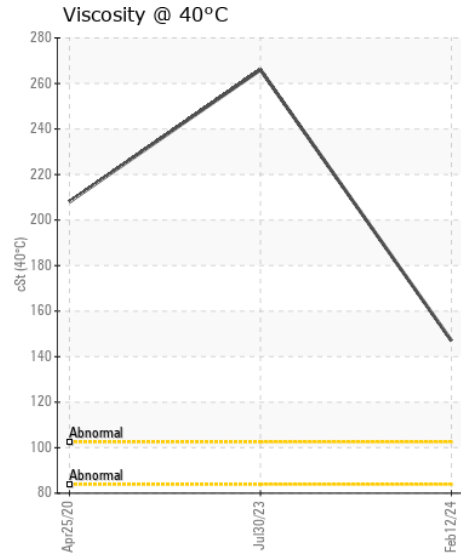
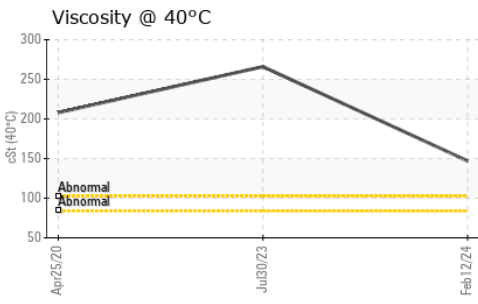
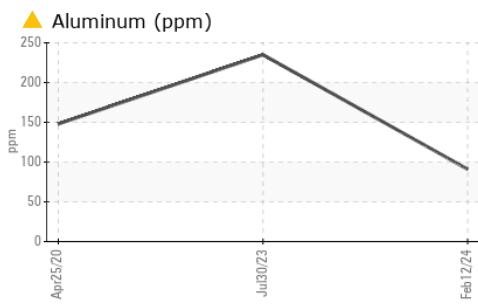
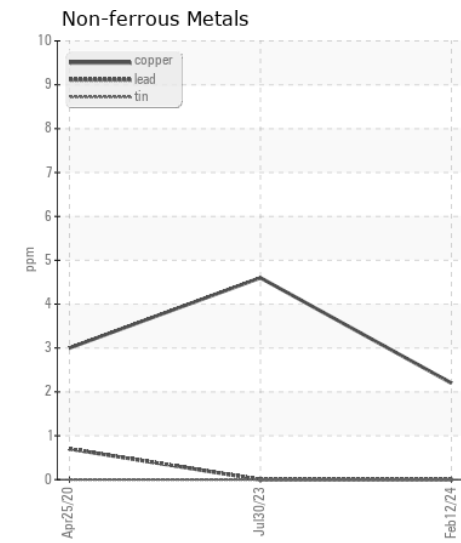
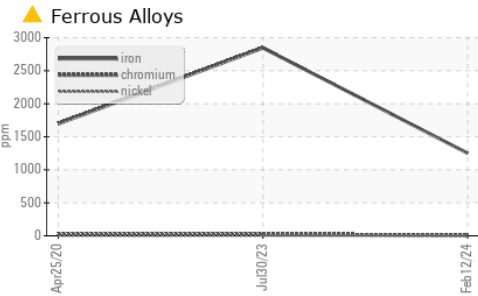
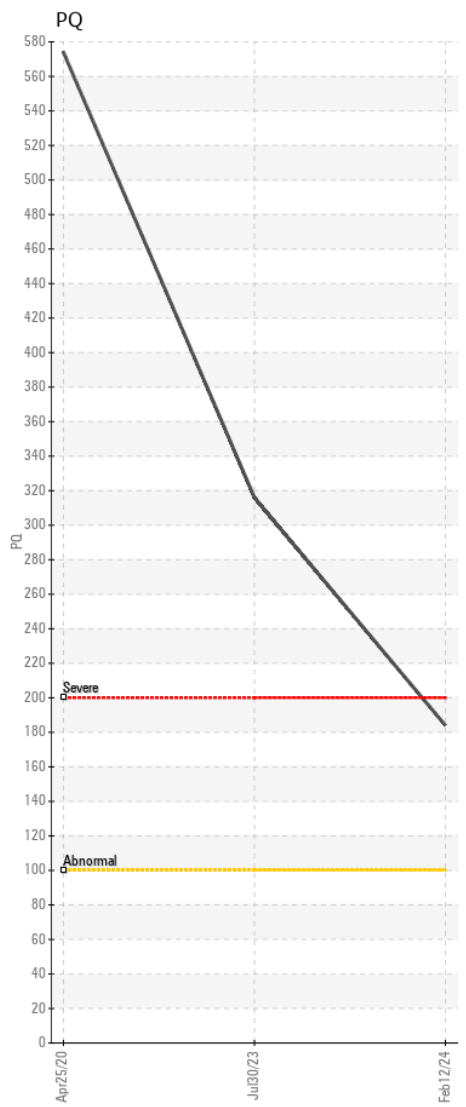
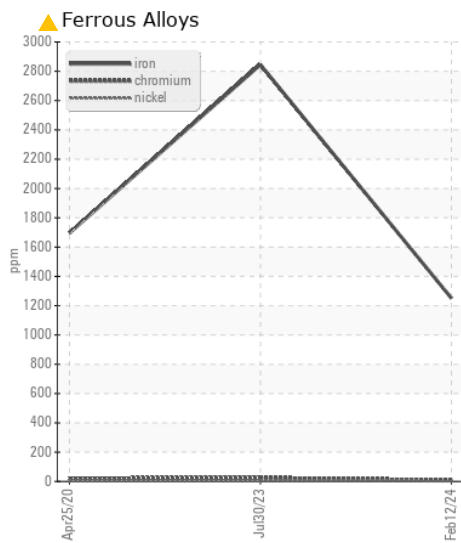
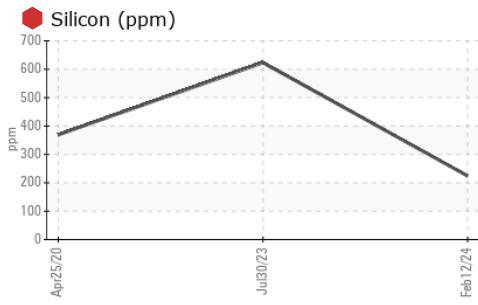
### CONTAMINATION

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>JR0204611</b>	JR0174295	JR0034533
Sample Date		Client Info		<b>12 Feb 2024</b>	30 Jul 2023	25 Apr 2020
Machine Age	hrs	Client Info		<b>9928</b>	9386	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>SEVERE</b>	SEVERE	SEVERE
PQ		ASTM D8184		<b>184</b>	316	574
Iron	ppm	ASTM D5185m	>1250	<b>▲ 1251</b>	● 2845	● 1696
Chromium	ppm	ASTM D5185m	>10	<b>9</b>	● 25	● 21
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	4	3
Titanium	ppm	ASTM D5185m		<b>4</b>	13	10
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m		<b>▲ 91</b>	▲ 235	▲ 148
Lead	ppm	ASTM D5185m		<b>0</b>	0	<1
Copper	ppm	ASTM D5185m		<b>2</b>	5	3
Tin	ppm	ASTM D5185m		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m		● <b>224</b>	● 623	● 369
Potassium	ppm	ASTM D5185m	>20	<b>12</b>	19	13
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	6	8
Boron	ppm	ASTM D5185m		<b>31</b>	57	55
Barium	ppm	ASTM D5185m		<b>10</b>	0	7
Molybdenum	ppm	ASTM D5185m		<b>3</b>	2	0
Manganese	ppm	ASTM D5185m		<b>8</b>	22	18
Magnesium	ppm	ASTM D5185m		<b>30</b>	7	8
Calcium	ppm	ASTM D5185m		<b>24</b>	14	22
Phosphorus	ppm	ASTM D5185m		<b>607</b>	558	426
Zinc	ppm	ASTM D5185m		<b>24</b>	28	42
Sulfur	ppm	ASTM D5185m		<b>19779</b>	22946	24987
Visc @ 40°C	cSt	ASTM D445		<b>147</b>	266	208



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0204611 **Received** : 13 Feb 2024  
**Lab Number** : 06087694 **Tested** : 14 Feb 2024  
**Unique Number** : 10875139 **Diagnosed** : 15 Feb 2024 - Angela Borella  
**Test Package** : CONST ( Additional Tests: PQ )

**HENNINGS CONSTRUCTION**  
 10011 NC HWY 67  
 EAST BEND, NC  
 US 27018  
 Contact: SERVICE MANAGER

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)

T: (336)677-2444

F: