



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

Machine Id  
**HITACHI 210LC-5 1FFDCJ70TEE330472**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (2 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0220145</b>	JR0198310	JR0206582
Sample Date		Client Info		<b>15 Jul 2024</b>	18 Mar 2024	01 Mar 2024
Machine Age	hrs	Client Info		<b>9453</b>	8984	8984
Oil Age	hrs	Client Info		<b>7960</b>	7491	7491
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	SEVERE	SEVERE

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>18</b>	484	▲ 1728
Iron	ppm	ASTM D5185m	>500	<b>&lt;1</b>	▲ 2023	▲ 4418
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	▲ 15	▲ 30
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	2	▲ 10
Titanium	ppm	ASTM D5185m		<b>0</b>	6	78
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	● 80	● 1293
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>50	<b>0</b>	3	12
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	5
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

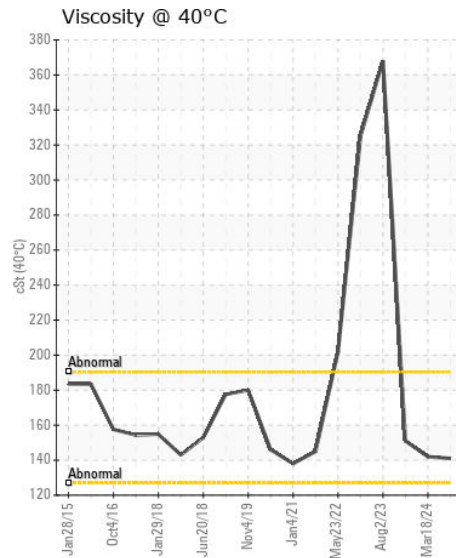
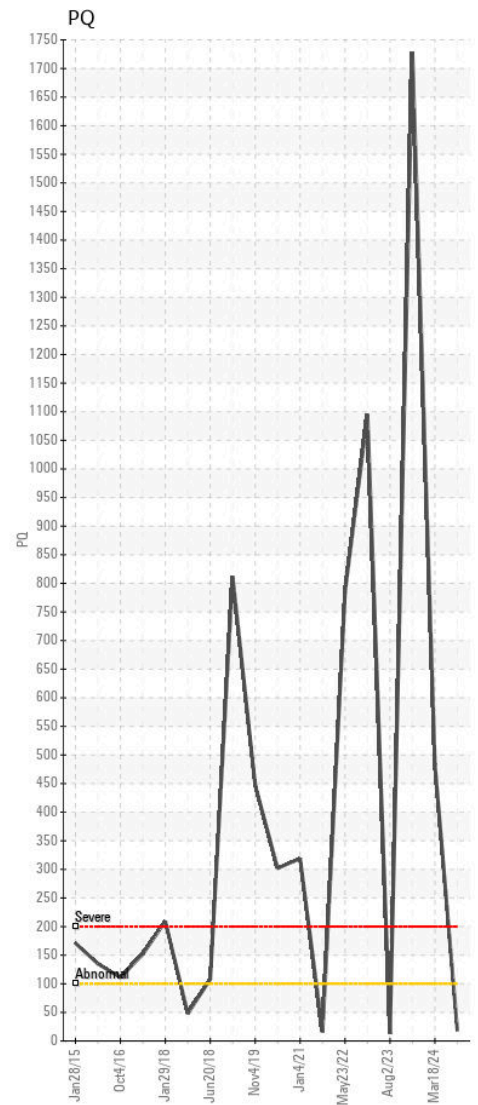
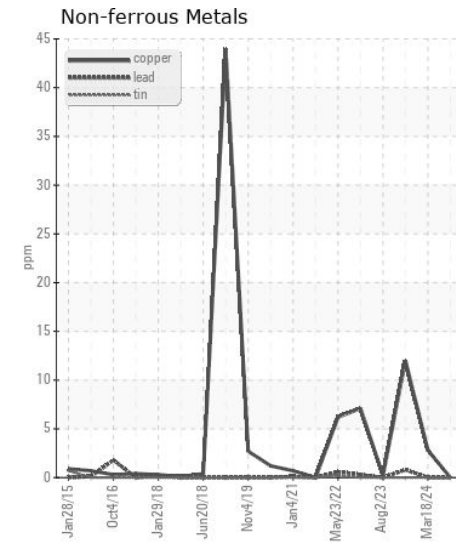
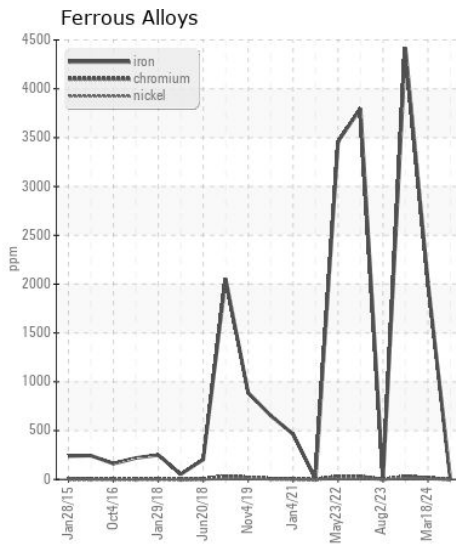
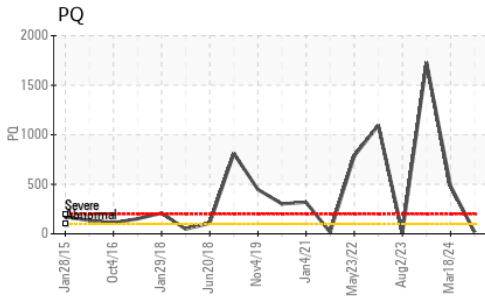
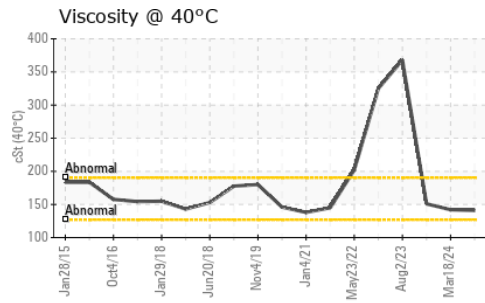
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	<b>2</b>	▲ 323	▲ 3175
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	10	87
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

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	11	214
Boron	ppm	ASTM D5185m		<b>2</b>	26	33
Barium	ppm	ASTM D5185m		<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	2
Manganese	ppm	ASTM D5185m		<b>0</b>	15	● 41
Magnesium	ppm	ASTM D5185m		<b>2</b>	8	● 263
Calcium	ppm	ASTM D5185m		<b>2</b>	20	● 387
Phosphorus	ppm	ASTM D5185m		<b>304</b>	377	● 436
Zinc	ppm	ASTM D5185m		<b>6</b>	2	● 7
Sulfur	ppm	ASTM D5185m		<b>19836</b>	21719	24285
Visc @ 40°C	cSt	ASTM D445		<b>141</b>	142	151



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0220145 **Received** : 17 Jul 2024  
**Lab Number** : 06239434 **Tested** : 18 Jul 2024  
**Unique Number** : 11128268 **Diagnosed** : 19 Jul 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269

Contact: CHARLOTTE SHOP  
 myoung@jamesriverequipment.com

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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