



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

Machine Id  
**HITACHI 300LC-6N 1FFDDP70AFF840051**

Component  
**Left Final Drive**

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

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0199122</b>	JR0154339	JR0116697
Sample Date		Client Info		<b>10 Jan 2024</b>	07 Dec 2022	11 Feb 2022
Machine Age	hrs	Client Info		<b>8555</b>	7478	6693
Oil Age	hrs	Client Info		<b>8555</b>	7478	0
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>None</b>	None	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>231</b>	202	170
Iron	ppm	ASTM D5185m	>500	<b>485</b>	473	487
Chromium	ppm	ASTM D5185m	>10	<b>6</b>	6	6
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	<1	2
Titanium	ppm	ASTM D5185m		<b>2</b>	2	2
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>16</b>	15	15
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

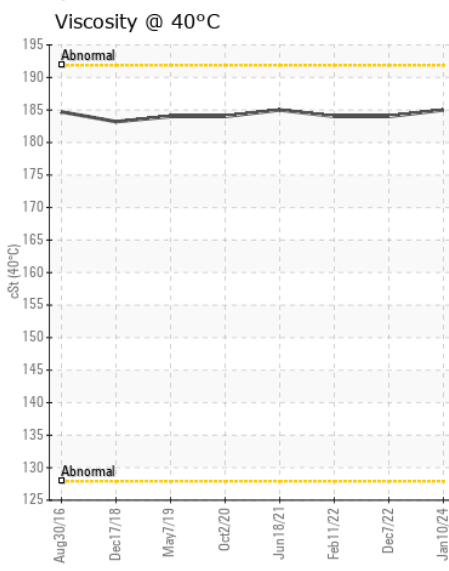
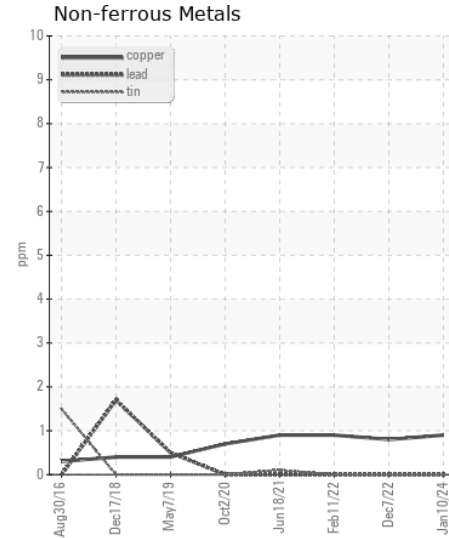
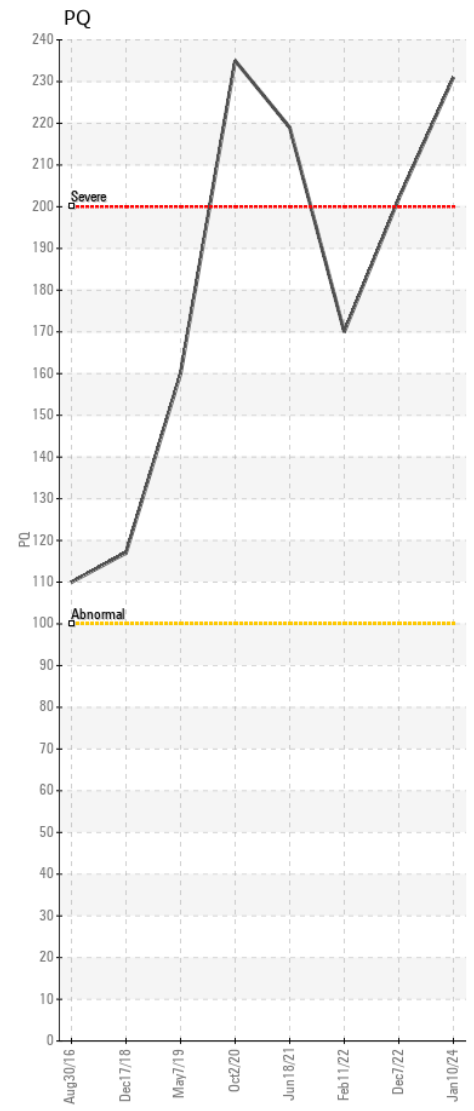
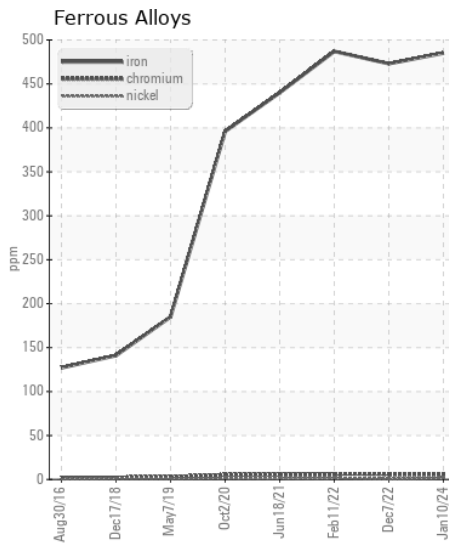
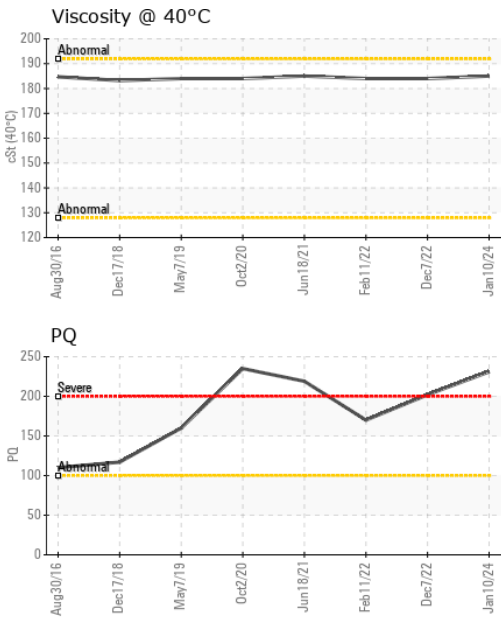
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>70</b>	57	57
Potassium	ppm	ASTM D5185m	>20	<b>9</b>	2	6
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	LIGHT	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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>0</b>	0	3
Boron	ppm	ASTM D5185m		<b>26</b>	28	31
Barium	ppm	ASTM D5185m		<b>6</b>	5	1
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>6</b>	6	6
Magnesium	ppm	ASTM D5185m		<b>2</b>	0	3
Calcium	ppm	ASTM D5185m		<b>11</b>	2	13
Phosphorus	ppm	ASTM D5185m		<b>473</b>	483	536
Zinc	ppm	ASTM D5185m		<b>32</b>	42	41
Sulfur	ppm	ASTM D5185m		<b>14497</b>	16409	13807
Visc @ 40°C	cSt	ASTM D445		<b>185</b>	184	184



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0199122 **Received** : 18 Jan 2024  
**Lab Number** : 06065162 **Diagnosed** : 22 Jan 2024  
**Unique Number** : 10836544 **Diagnostician** : Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - MANASSAS PARK**  
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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)