



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

Machine Id  
**JOHN DEERE 748L 1DW748LBCMF710169**

Component  
**Transmission (Manual)**

Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0180180</b>	JR0148277	JR0105578
Sample Date		Client Info		<b>22 Sep 2023</b>	05 Nov 2022	14 Jan 2022
Machine Age	hrs	Client Info		<b>6040</b>	4005	2012
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>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>16</b>	4	13
Iron	ppm	ASTM D5185m	>200	<b>22</b>	19	18
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>7	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	1	0
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>225	<b>4</b>	4	4
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

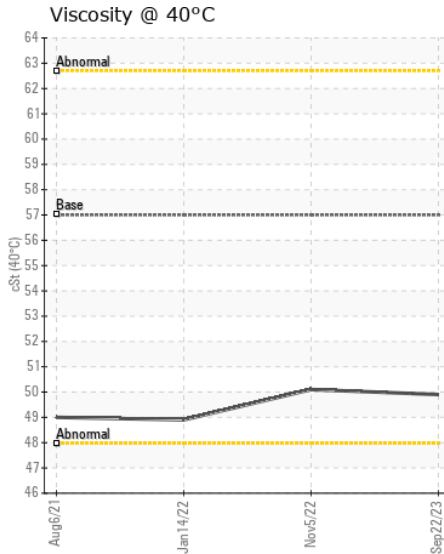
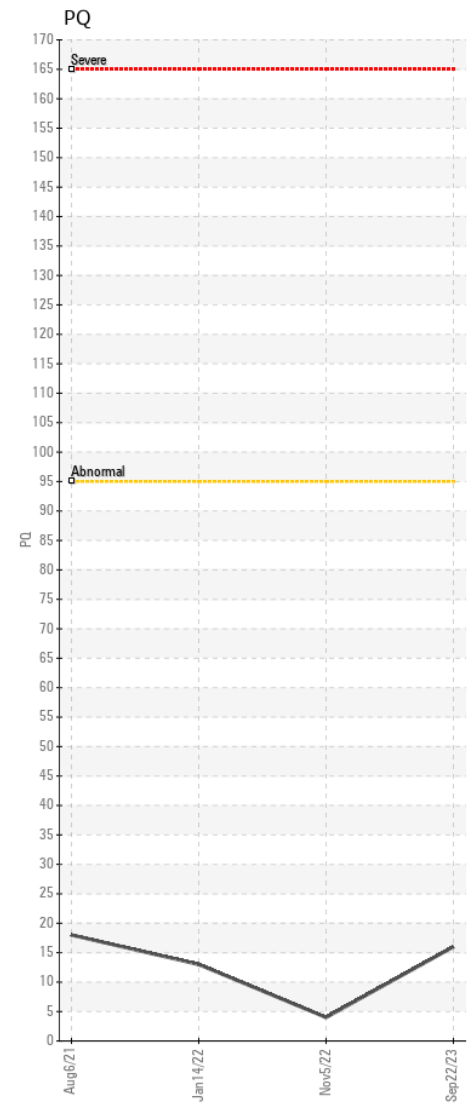
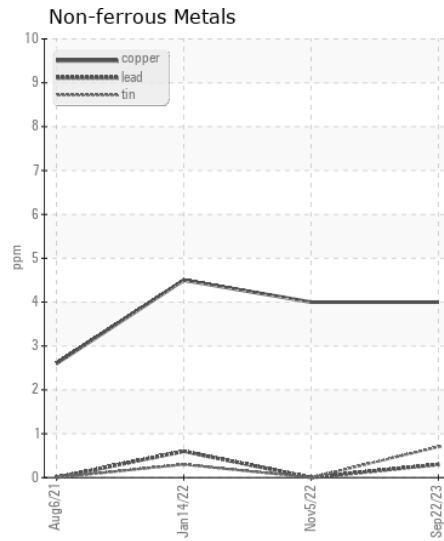
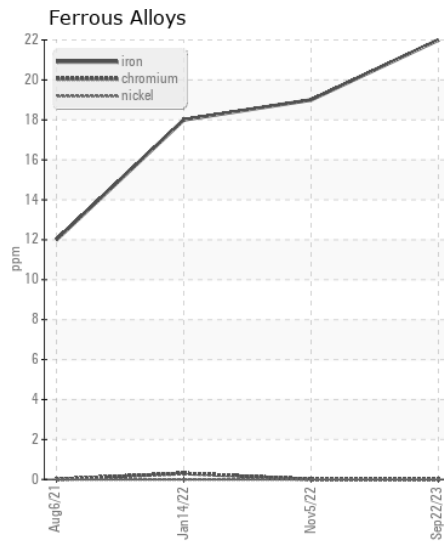
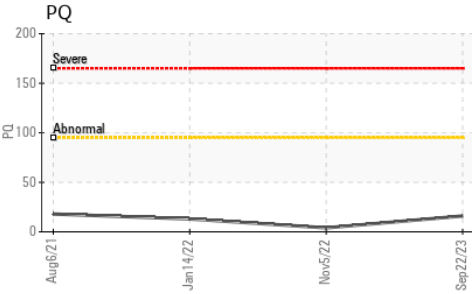
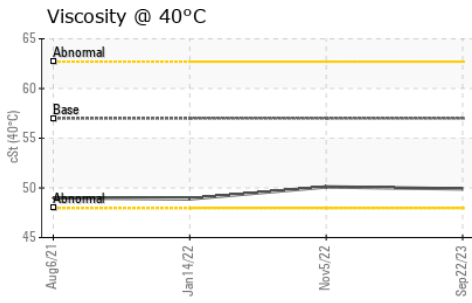
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>4</b>	3	1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	1
Water		WC Method	>0.1	<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	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>1</b>	2	9
Boron	ppm	ASTM D5185m	6	<b>0</b>	<1	6
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	145	<b>94</b>	88	104
Calcium	ppm	ASTM D5185m	3570	<b>3256</b>	3376	3734
Phosphorus	ppm	ASTM D5185m	1290	<b>992</b>	955	1157
Zinc	ppm	ASTM D5185m	1640	<b>1212</b>	1169	1336
Sulfur	ppm	ASTM D5185m		<b>3511</b>	3219	3554
Visc @ 40°C	cSt	ASTM D445	57.0	<b>49.9</b>	50.1	48.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0180180 **Received** : 27 Sep 2023  
**Lab Number** : 05962390 **Tested** : 28 Sep 2023  
**Unique Number** : 10668941 **Diagnosed** : 28 Sep 2023 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - ASHLAND**  
 11047 LEADBETTER RD  
 ASHLAND, VA  
 US 23005  
 Contact: DAVID ZIEG  
 dzieg@jamesriverequipment.com  
 T: (804)798-6001  
 F: (804)798-0292

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)