



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



Area  
**[ARGOS]**  
 Machine Id  
**JOHN DEERE 772G 1DW772GXVEF662492**  
 Component  
**Rear Differential**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (10 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0184715</b>	JRMC399104	---
Sample Date		Client Info		<b>08 Jan 2024</b>	02 Dec 2016	---
Machine Age	hrs	Client Info		<b>3926</b>	495	---
Oil Age	hrs	Client Info		<b>333</b>	495	---
Filter Age	hrs	Client Info		<b>333</b>	495	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>71</b>	185	---
Iron	ppm	ASTM D5185m	>1501	<b>550</b>	413	---
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>21	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m	>51	<b>4</b>	3	---
Copper	ppm	ASTM D5185m	>101	<b>25</b>	10	---
Tin	ppm	ASTM D5185m	>10	<b>4</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

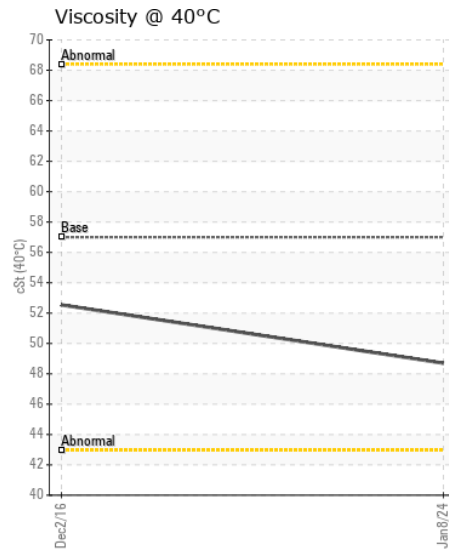
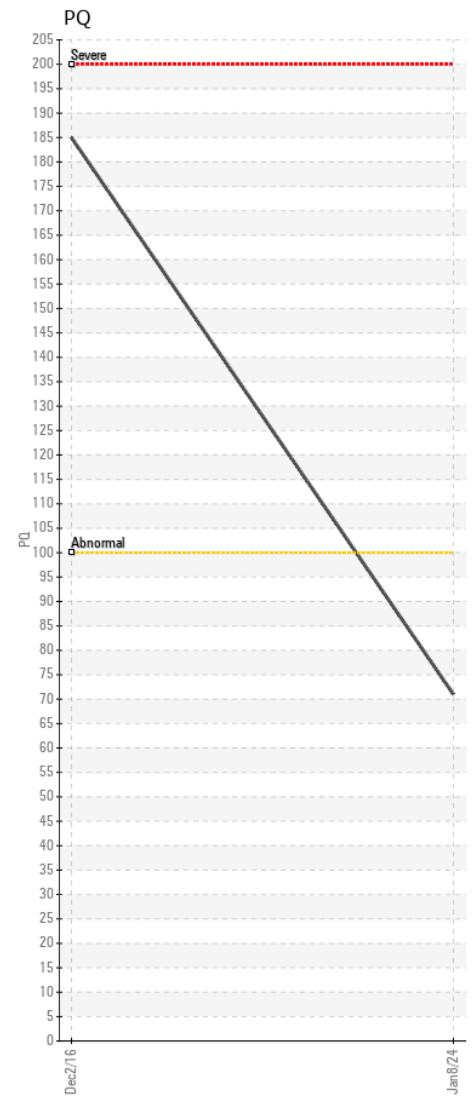
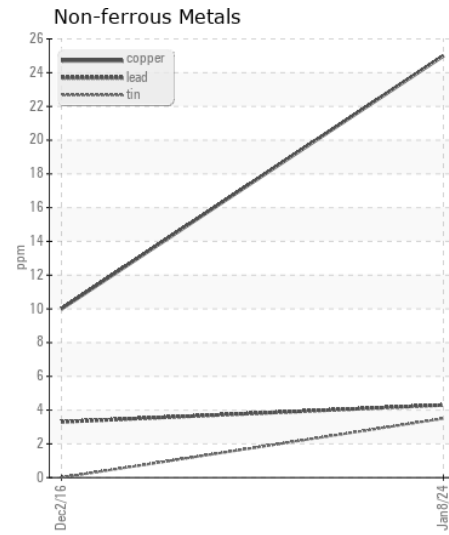
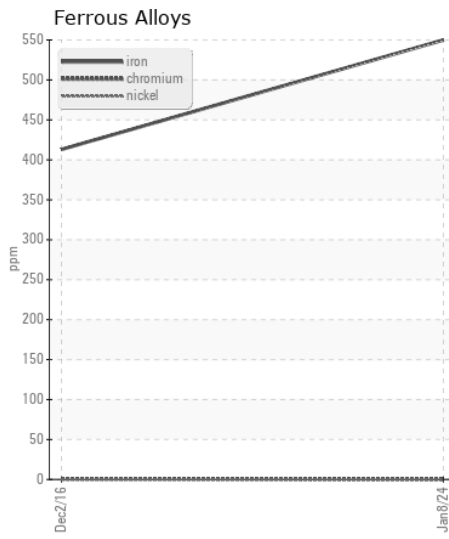
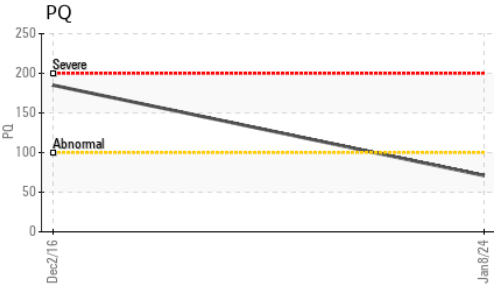
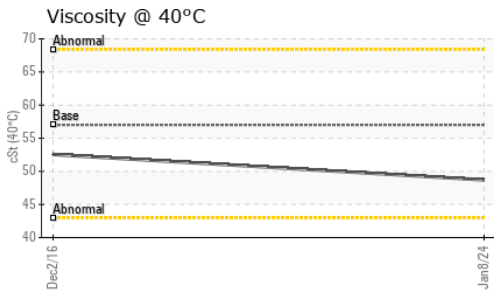
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>5</b>	8	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	11	---
Water		WC Method	>0.1	<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	>0.1	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>8</b>	5	---
Boron	ppm	ASTM D5185m	6	<b>7</b>	2	---
Barium	ppm	ASTM D5185m	0	<b>3</b>	3	---
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>6</b>	6	---
Magnesium	ppm	ASTM D5185m	145	<b>78</b>	94	---
Calcium	ppm	ASTM D5185m	3570	<b>2905</b>	3389	---
Phosphorus	ppm	ASTM D5185m	1290	<b>983</b>	993	---
Zinc	ppm	ASTM D5185m	1640	<b>938</b>	1187	---
Sulfur	ppm	ASTM D5185m		<b>3589</b>	3518	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>48.7</b>	52.54	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0184715 **Received** : 10 Jan 2024  
**Lab Number** : 06056956 **Diagnosed** : 11 Jan 2024  
**Unique Number** : 10822905 **Diagnostician** : Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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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