



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



Area  
**[W63939]**  
 Machine Id  
**JOHN DEERE 770GP 1DW770GPEEF665757**  
 Component  
**Left Tandem**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (20 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W63939 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0203559</b>	JR0133620	---
Sample Date		Client Info		<b>09 Feb 2024</b>	24 Jun 2022	---
Machine Age	hrs	Client Info		<b>2000</b>	1026	---
Oil Age	hrs	Client Info		<b>2000</b>	1026	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

### WEAR

All component wear rates are normal.

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>80</b>	37	---
Iron	ppm	ASTM D5185m	>250	<b>210</b>	76	---
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	2	---
Lead	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>25	<b>9</b>	4	---
Tin	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

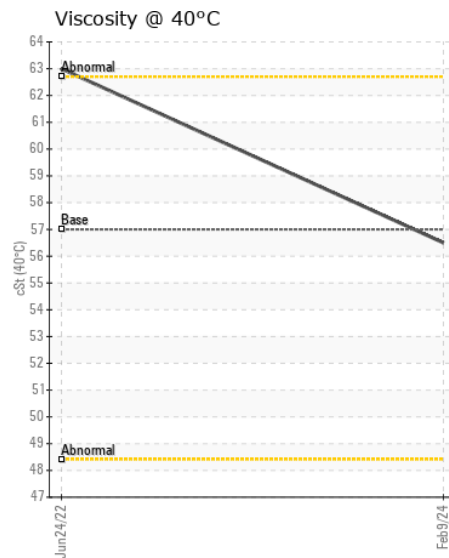
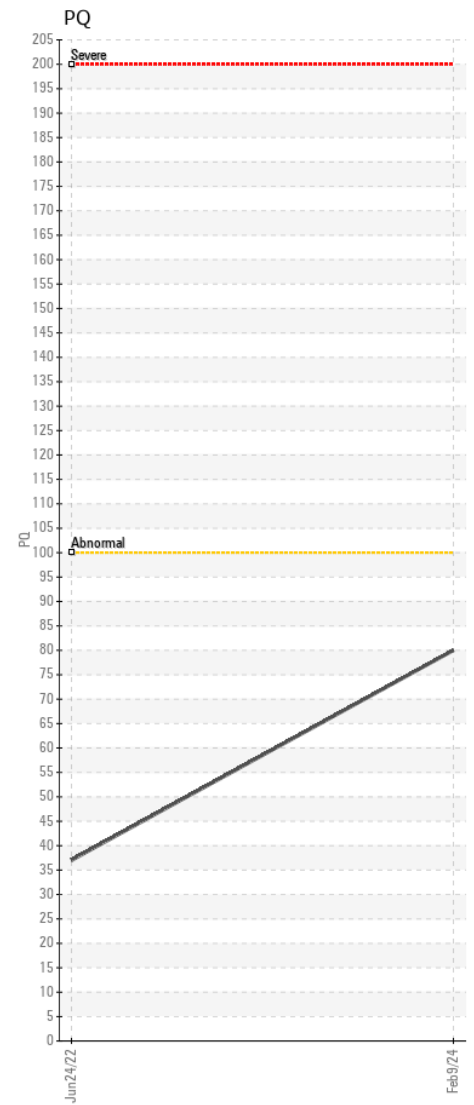
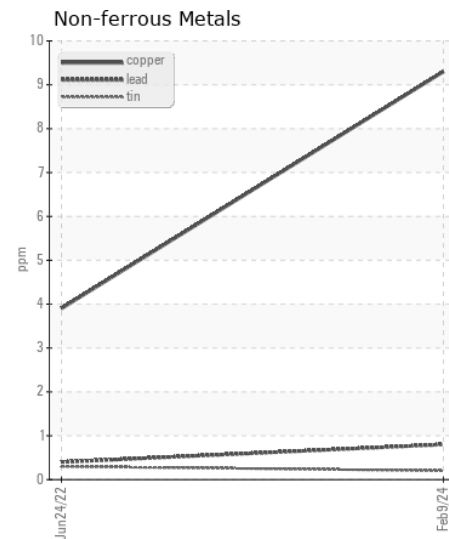
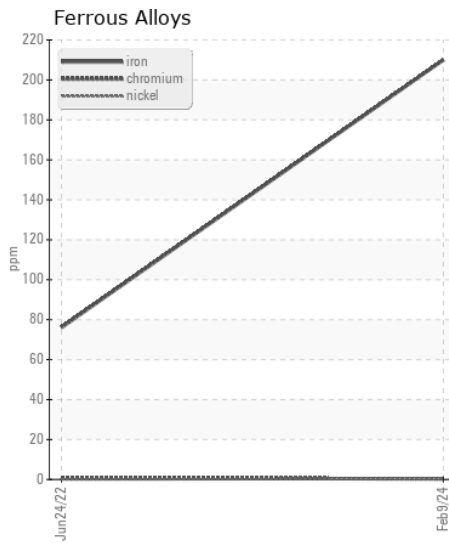
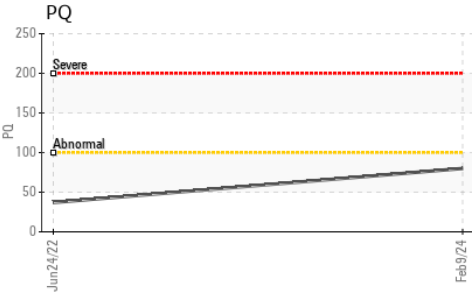
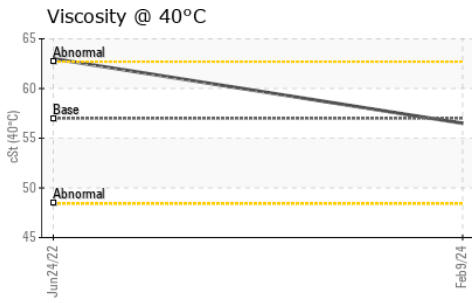
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>100	<b>4</b>	9	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	3	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	▲ MILKY	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	▲ 0.2%	---

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>21	<b>0</b>	2	---
Boron	ppm	ASTM D5185m	6	<b>0</b>	9	---
Barium	ppm	ASTM D5185m	0	<b>13</b>	3	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>2</b>	2	---
Magnesium	ppm	ASTM D5185m	145	<b>97</b>	93	---
Calcium	ppm	ASTM D5185m	3570	<b>3392</b>	2921	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1130</b>	1175	---
Zinc	ppm	ASTM D5185m	1640	<b>1189</b>	1464	---
Sulfur	ppm	ASTM D5185m		<b>4412</b>	4744	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>56.5</b>	63.0	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0203559 **Received** : 14 Feb 2024  
**Lab Number** : 06089115 **Tested** : 15 Feb 2024  
**Unique Number** : 10876560 **Diagnosed** : 15 Feb 2024 - Don Baldrige  
**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)

T: (704)597-0211  
 F: (704)596-6198