



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



Machine Id  
**JOHN DEERE 772GP 1DW772GPCKF702581**  
Component  
**Rear Axle**  
Fluid  
**TDH FLUID SAE 75W80 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0212616</b>	JR0209425	JR0181696
Sample Date		Client Info		<b>29 May 2024</b>	15 Mar 2024	17 Aug 2023
Machine Age	hrs	Client Info		<b>4273</b>	3972	3085
Oil Age	hrs	Client Info		<b>301</b>	3972	3085
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>79</b>	79	13
Iron	ppm	ASTM D5185m	>750	<b>361</b>	333	6
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>&lt;1</b>	<1	4
Lead	ppm	ASTM D5185m	>49	<b>5</b>	5	6
Copper	ppm	ASTM D5185m	>101	<b>13</b>	12	10
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	2
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
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.

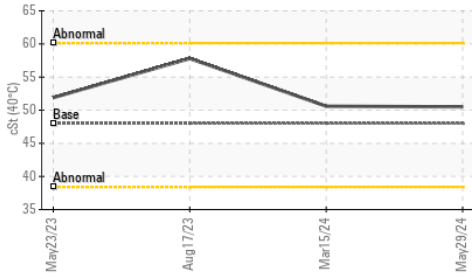
Silicon	ppm	ASTM D5185m	>31	<b>6</b>	6	8
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	5
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<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

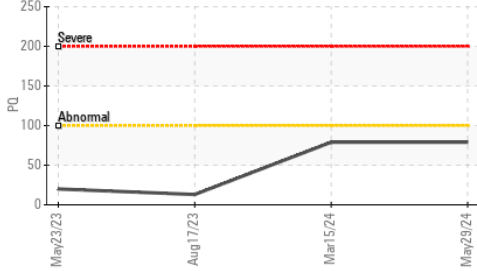
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>2</b>	3	6
Boron	ppm	ASTM D5185m	10	<b>2</b>	0	2
Barium	ppm	ASTM D5185m	10	<b>4</b>	3	0
Molybdenum	ppm	ASTM D5185m	10	<b>0</b>	0	4
Manganese	ppm	ASTM D5185m		<b>5</b>	4	2
Magnesium	ppm	ASTM D5185m	100	<b>97</b>	86	117
Calcium	ppm	ASTM D5185m	3500	<b>3391</b>	3276	3933
Phosphorus	ppm	ASTM D5185m	1150	<b>1070</b>	887	1164
Zinc	ppm	ASTM D5185m	1150	<b>1248</b>	1108	1552
Sulfur	ppm	ASTM D5185m	5000	<b>4040</b>	3675	5472
Visc @ 40°C	cSt	ASTM D445	48	<b>50.5</b>	50.6	57.8

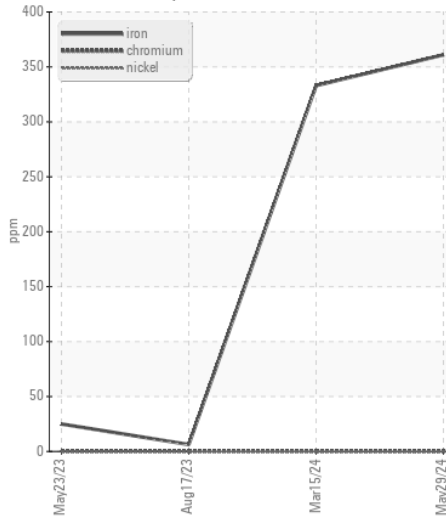
Viscosity @ 40°C



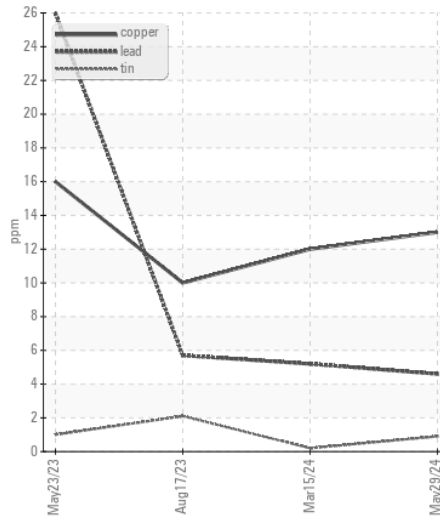
PQ



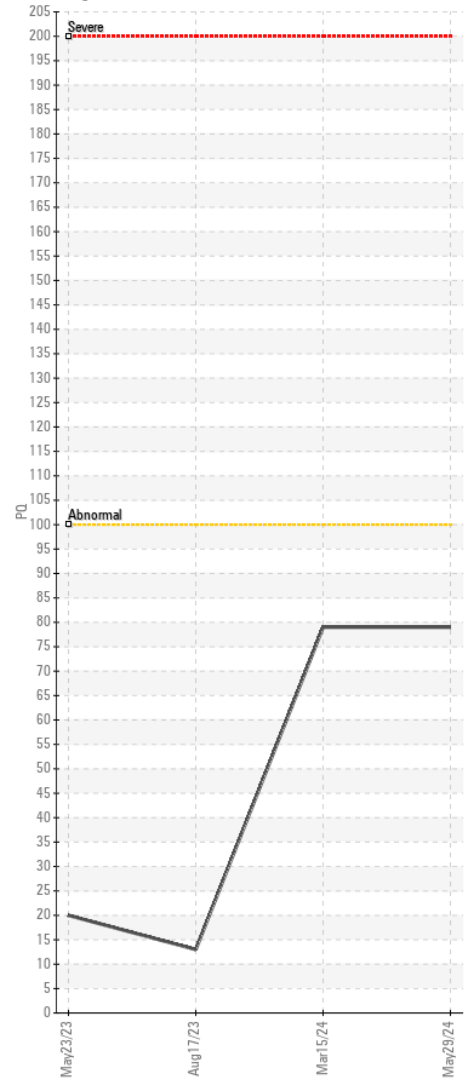
Ferrous Alloys



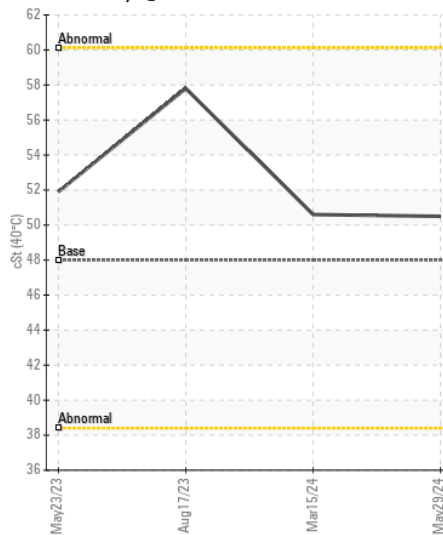
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : JR0212616 Received : 30 May 2024  
 Lab Number : 06195650 Tested : 31 May 2024  
 Unique Number : 11057773 Diagnosed : 01 Jun 2024 - Don Baldrige  
 Test Package : CONST ( Additional Tests: PQ )

**JRE - GARNER**  
 4161 AUBURN CHURCH RD  
 GARNER, NC  
 US 27529

Contact: RALEIGH SHOP  
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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)

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