



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



Machine Id  
**John Deere 300D II 1DW300DXVEE662204**  
Component  
**Front Differential**  
Fluid  
**JOHN DEERE GL-5 85W140LS (6 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0216123</b>	JR0192733	LEC0009349
Sample Date		Client Info		<b>17 Jun 2024</b>	21 Nov 2023	26 Nov 2019
Machine Age	hrs	Client Info		<b>8471</b>	8471	5290
Oil Age	hrs	Client Info		<b>4347</b>	4347	1000
Filter Age	hrs	Client Info		<b>0</b>	0	1000
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>35</b>	25	47
Iron	ppm	ASTM D5185m	>500	<b>75</b>	68	88
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	1	5
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	1
Copper	ppm	ASTM D5185m	>100	<b>7</b>	7	14
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</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 oil.

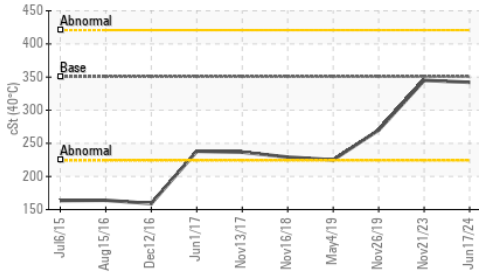
Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>75	<b>8</b>	5	24
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	1	3
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<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	>.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

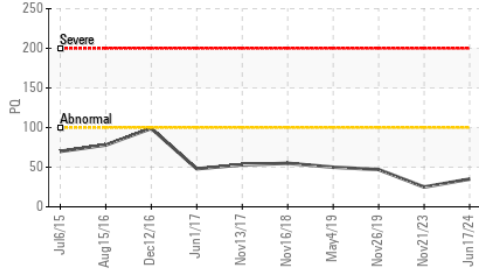
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		<b>5</b>	2	2
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	0	2
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>3</b>	3	4
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	2
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	3	<1
Calcium	ppm	ASTM D5185m		<b>61</b>	97	97
Phosphorus	ppm	ASTM D5185m		<b>2397</b>	2512	1745
Zinc	ppm	ASTM D5185m		<b>43</b>	46	58
Sulfur	ppm	ASTM D5185m		<b>32317</b>	32386	7351
Visc @ 40°C	cSt	ASTM D445	350.7	<b>342</b>	345	270

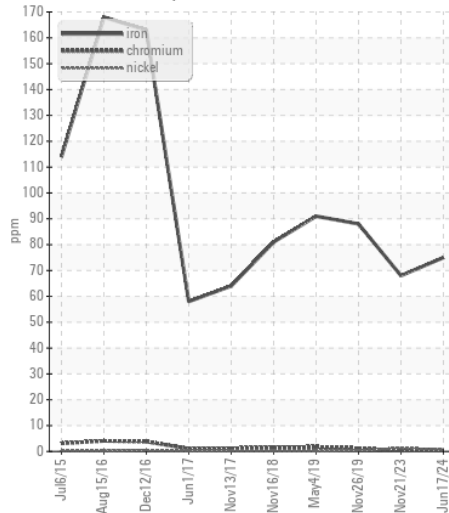
Viscosity @ 40°C



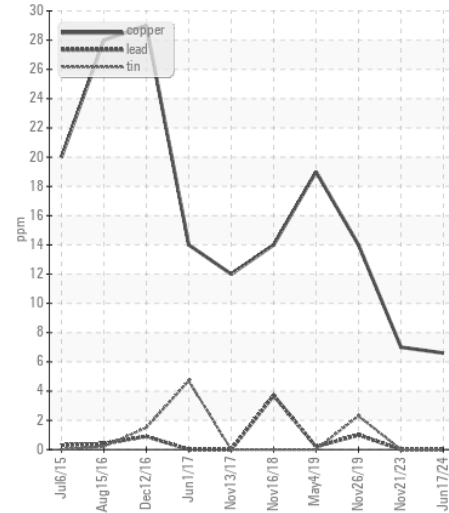
PQ



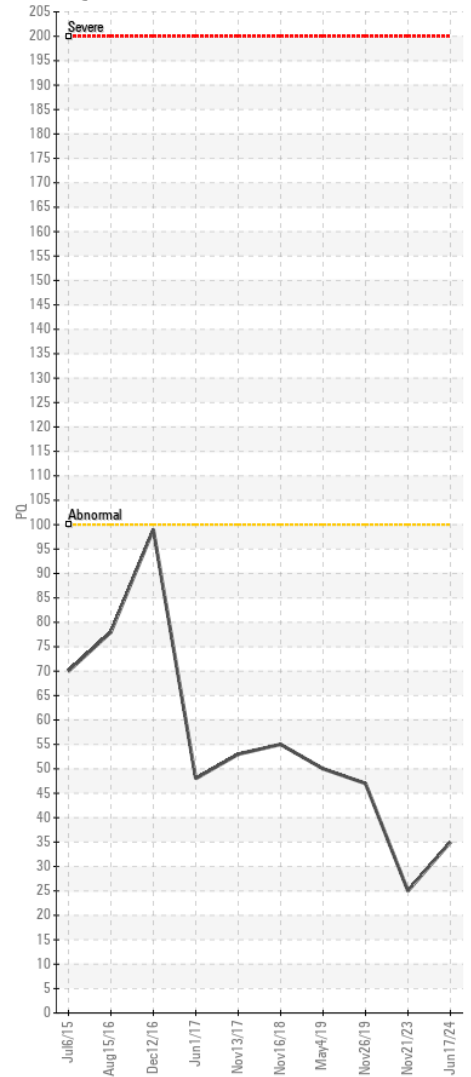
Ferrous Alloys



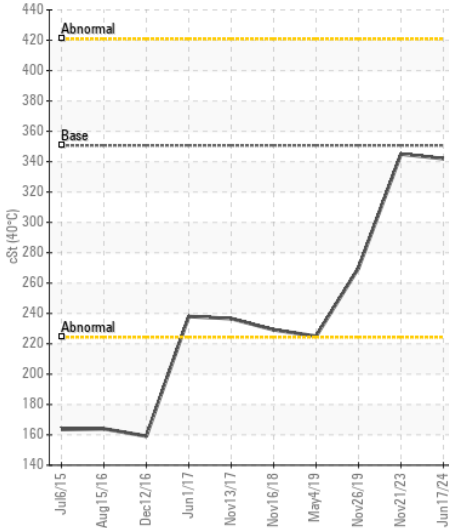
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : JR0216123 Received : 19 Jun 2024  
 Lab Number : 06214982 Tested : 20 Jun 2024  
 Unique Number : 11087846 Diagnosed : 20 Jun 2024 - Wes Davis  
 Test Package : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
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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)