



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



Machine Id  
**JOHN DEERE 300D 1DW300DXLEE661363**  
Component  
**Hydraulic System**  
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>JR0220465</b>	JR0177947	JR0014280
Sample Date		Client Info		<b>14 Jun 2024</b>	01 Aug 2023	11 Aug 2019
Machine Age	hrs	Client Info		<b>5000</b>	4368	3936
Oil Age	hrs	Client Info		<b>632</b>	2425	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	N/A
Filter Changed		Client Info		<b>Not Chngd</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	ATTENTION	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>29</b>	20	19
Iron	ppm	ASTM D5185m	>23	<b>0</b>	1	16
Chromium	ppm	ASTM D5185m	>9	<b>0</b>	0	3
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>9	<b>&lt;1</b>	<1	2
Lead	ppm	ASTM D5185m	>28	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>0</b>	<1	4
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
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

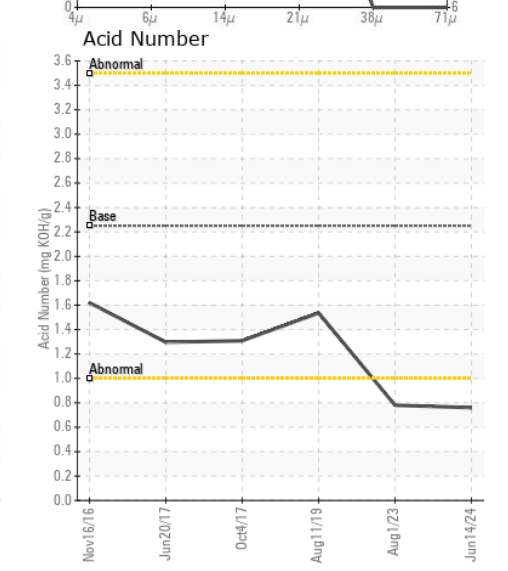
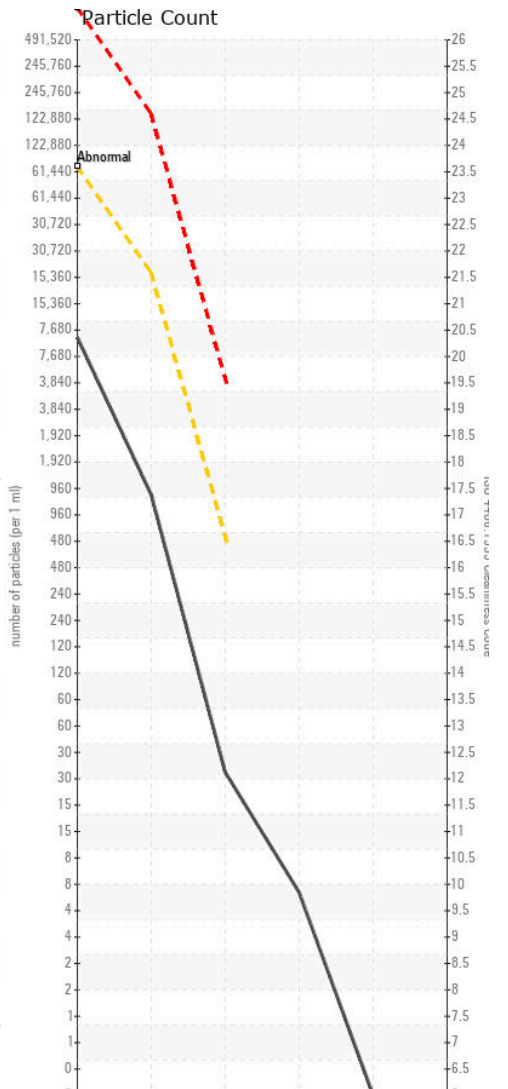
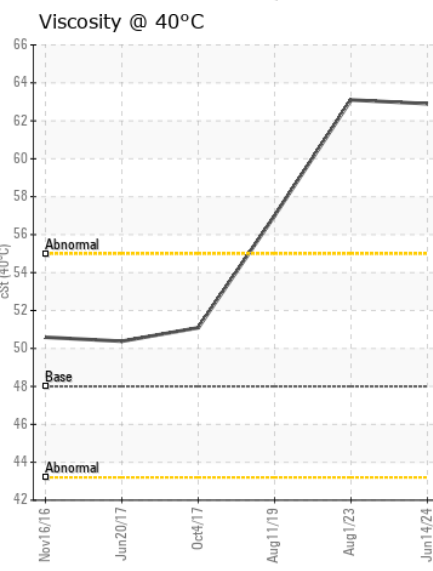
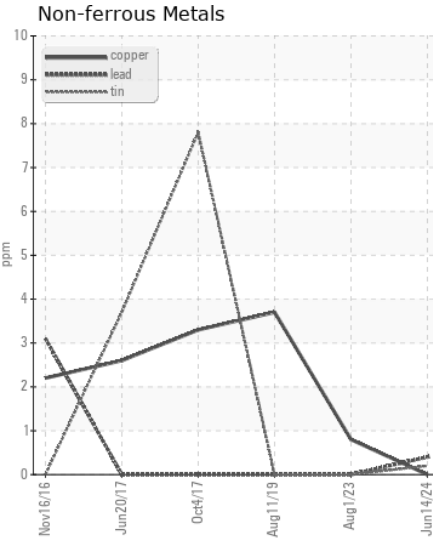
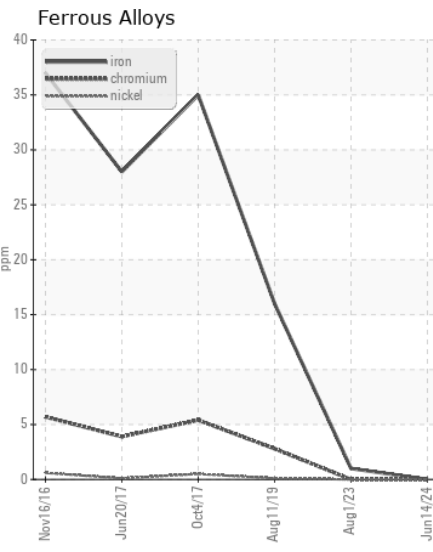
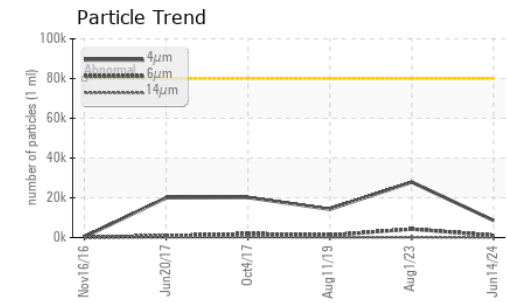
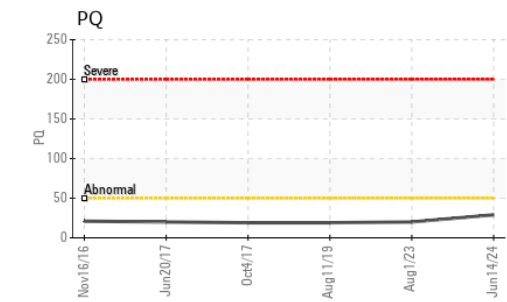
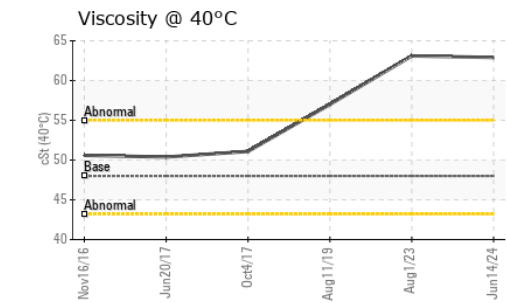
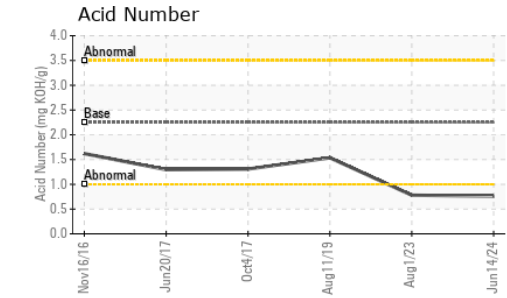
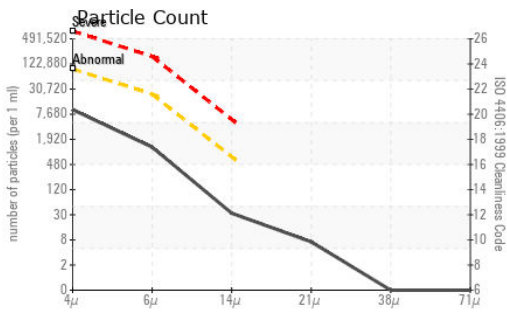
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>&lt;1</b>	<1	8
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	3
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>80000	<b>8589</b>	27915	14249
Particles >6µm		ASTM D7647	>20000	<b>1093</b>	4273	1213
Particles >14µm		ASTM D7647	>640	<b>29</b>	115	79
Particles >21µm		ASTM D7647	>160	<b>6</b>	17	24
Particles >38µm		ASTM D7647	>40	<b>0</b>	0	2
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	<b>20/17/12</b>	22/19/14	21/17/13
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	>0.075	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>21	<b>0</b>	2	<1
Boron	ppm	ASTM D5185m	10	<b>0</b>	7	29
Barium	ppm	ASTM D5185m	10	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	10	<b>0</b>	7	22
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	100	<b>0</b>	25	145
Calcium	ppm	ASTM D5185m	3500	<b>91</b>	152	3236
Phosphorus	ppm	ASTM D5185m	1150	<b>724</b>	654	984
Zinc	ppm	ASTM D5185m	1150	<b>929</b>	851	1202
Sulfur	ppm	ASTM D5185m	5000	<b>1951</b>	1947	4238
Acid Number (AN)	mg KOH/g	ASTM D8045	2.25	<b>0.76</b>	0.78	1.536
Visc @ 40°C	cSt	ASTM D445	48	<b>62.9</b>	63.1	57.0



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0220465 **Received** : 01 Jul 2024  
**Lab Number** : 06224460 **Tested** : 02 Jul 2024  
**Unique Number** : 11102657 **Diagnosed** : 02 Jul 2024 - Angela Borella  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
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Certificate L2367  
 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)