



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



Area  
**[W67069]**  
 Machine Id  
**JOHN DEERE 700K 1T0700KXKJF327083**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HYDRAU (20 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W67069 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0214945</b>	JR0198964	JR0179023
Sample Date		Client Info		<b>28 May 2024</b>	11 Jan 2024	02 Aug 2023
Machine Age	hrs	Client Info		<b>8286</b>	7735	7200
Oil Age	hrs	Client Info		<b>7751</b>	6652	1083
Filter Age	hrs	Client Info		<b>0</b>	0	1083
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>16</b>	12	15
Iron	ppm	ASTM D5185m	>23	<b>6</b>	<1	1
Chromium	ppm	ASTM D5185m	>9	<b>2</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>9	<b>4</b>	1	<1
Lead	ppm	ASTM D5185m	>28	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>4</b>	0	1
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

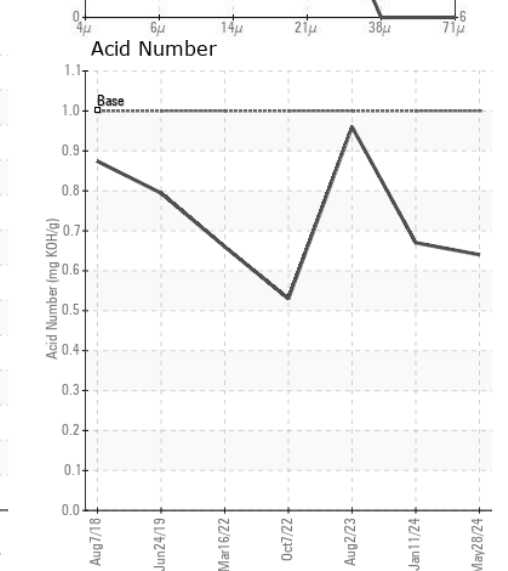
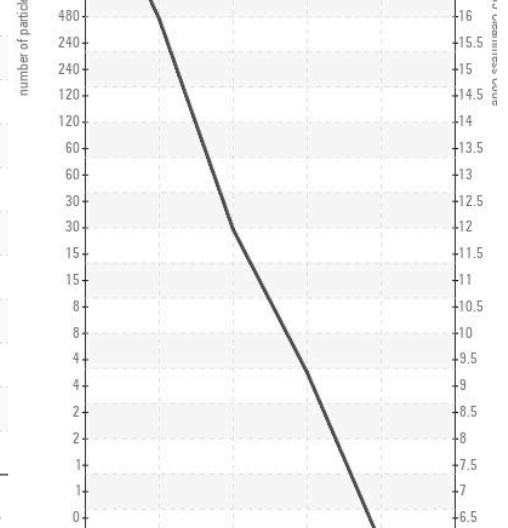
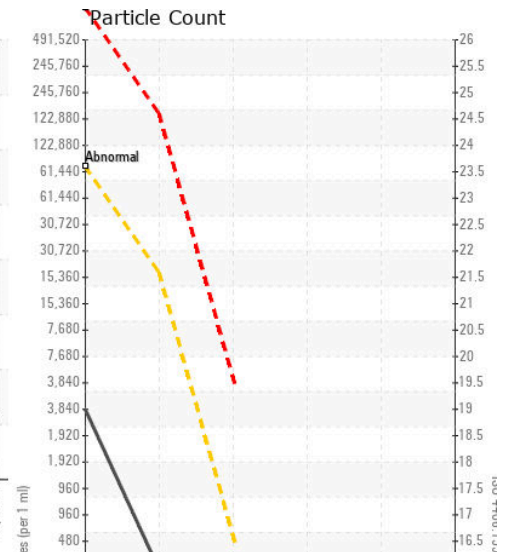
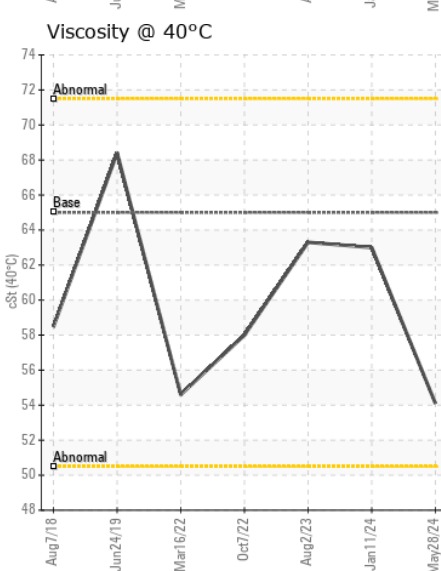
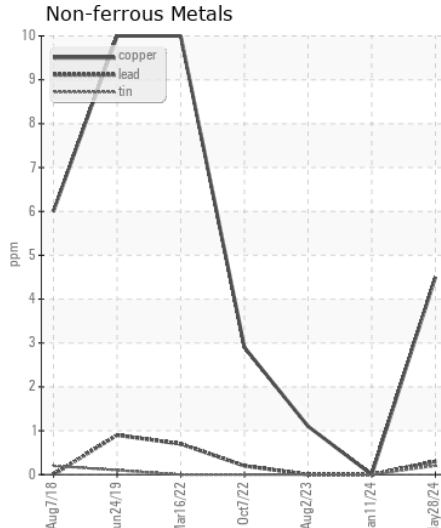
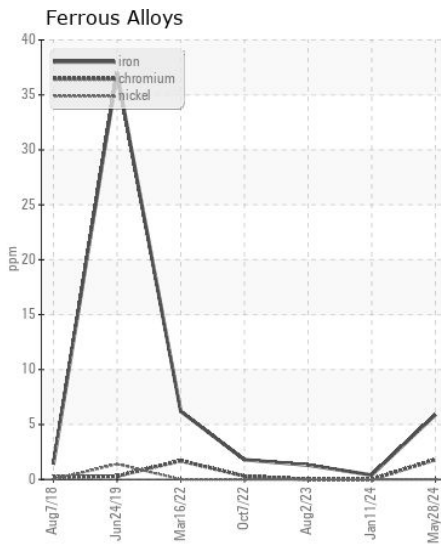
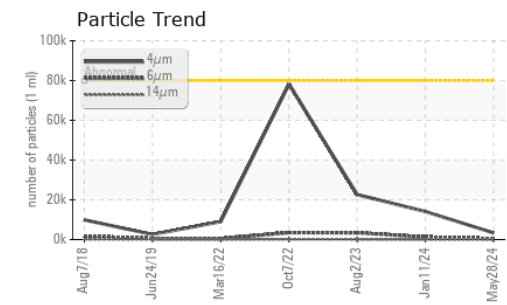
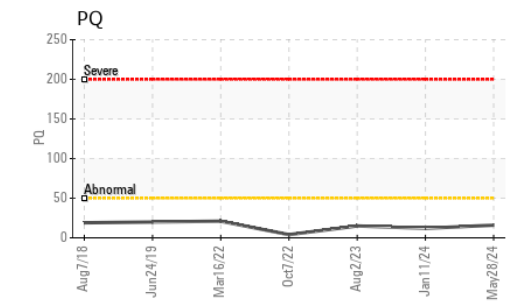
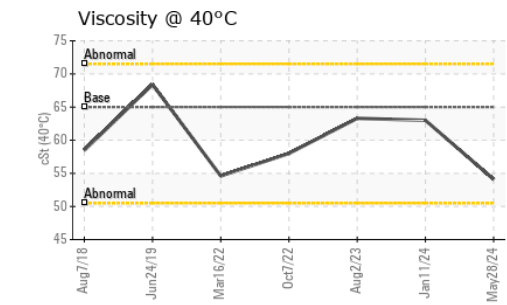
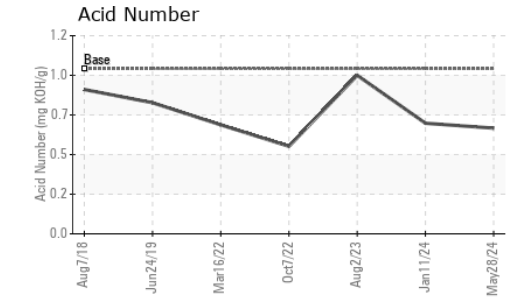
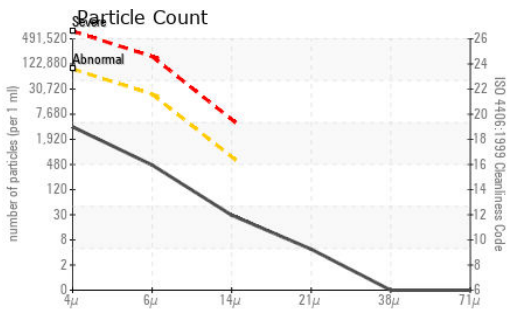
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>31	<b>7</b>	<1	<1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	0
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>80000	<b>3342</b>	14117	22602
Particles >6µm		ASTM D7647	>20000	<b>409</b>	1279	3409
Particles >14µm		ASTM D7647	>640	<b>26</b>	17	45
Particles >21µm		ASTM D7647	>160	<b>4</b>	3	5
Particles >38µm		ASTM D7647	>40	<b>0</b>	0	0
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	<b>19/16/12</b>	21/17/11	22/19/13
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>	0	2
Boron	ppm	ASTM D5185m		<b>3</b>	3	6
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>4</b>	4	7
Manganese	ppm	ASTM D5185m		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>15</b>	13	24
Calcium	ppm	ASTM D5185m	87	<b>114</b>	124	121
Phosphorus	ppm	ASTM D5185m	727	<b>578</b>	683	630
Zinc	ppm	ASTM D5185m	900	<b>739</b>	831	817
Sulfur	ppm	ASTM D5185m	1500	<b>1494</b>	1643	1841
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.64</b>	0.67	0.96
Visc @ 40°C	cSt	ASTM D445	65	<b>54.1</b>	63.0	63.3



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0214945 **Received** : 30 May 2024  
**Lab Number** : 06195317 **Tested** : 03 Jun 2024  
**Unique Number** : 11057440 **Diagnosed** : 03 Jun 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ, PrtCount )  
 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)

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269  
 Contact: CHARLOTTE SHOP  
 myoung@jamesriverequipment.com  
 T: (704)597-0211  
 F: (704)596-6198