



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

Machine Id  
**JOHN DEERE 700K 1T0700KXEJF333086**

Component  
**Hydrostatic**

Fluid  
**JOHN DEERE HYDRAU (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0200904</b>	JR0154858	JR0123715
Sample Date		Client Info		<b>11 Jan 2024</b>	31 Jan 2023	28 Mar 2022
Machine Age	hrs	Client Info		<b>478</b>	357	265
Oil Age	hrs	Client Info		<b>478</b>	357	265
Filter Age	hrs	Client Info		<b>478</b>	357	265
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Filter Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>31	<b>32</b>	29	31
Chromium	ppm	ASTM D5185m	>9	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>1</b>	1	2
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185m	>11	<b>&lt;1</b>	1	2
Copper	ppm	ASTM D5185m	>41	<b>24</b>	22	20
Tin	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
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

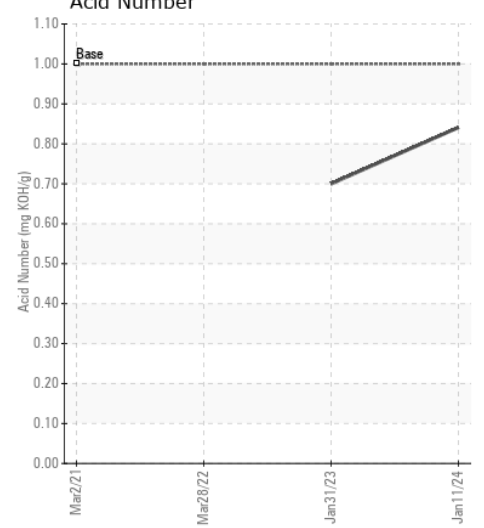
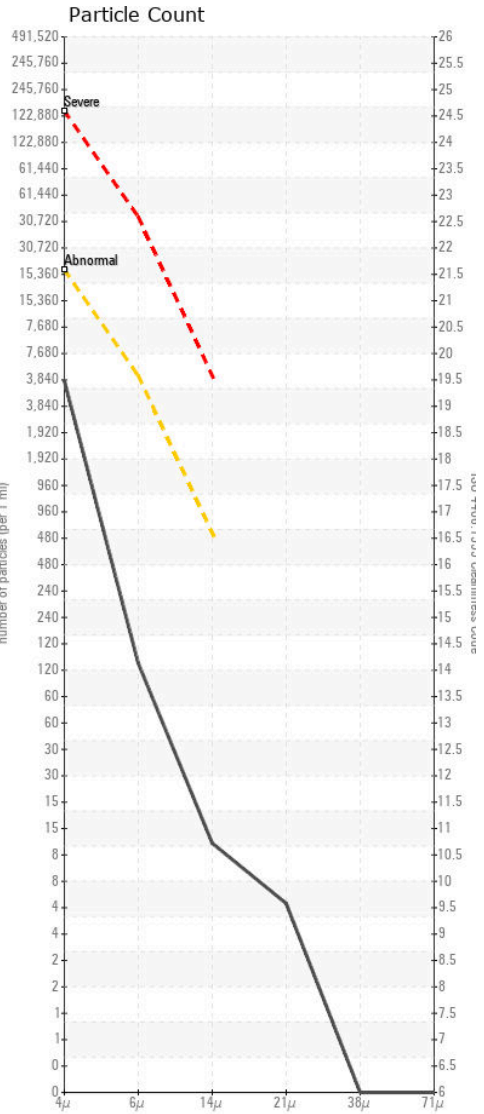
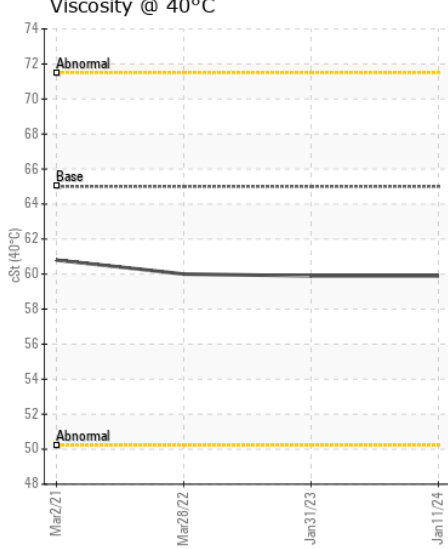
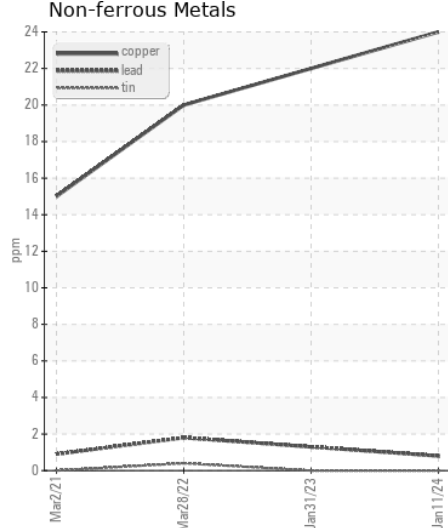
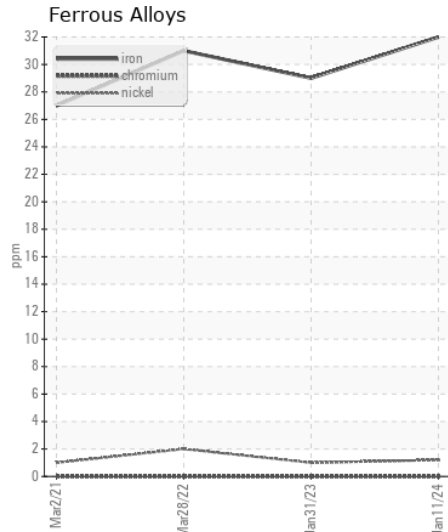
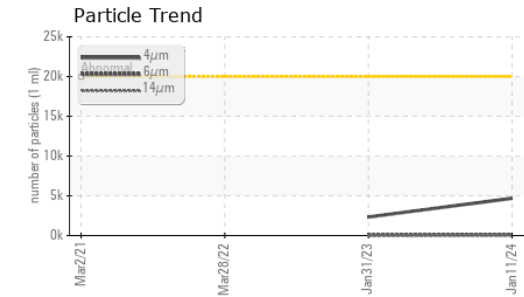
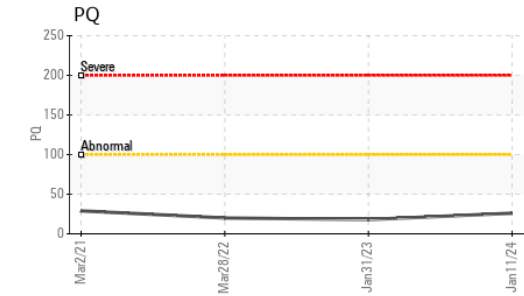
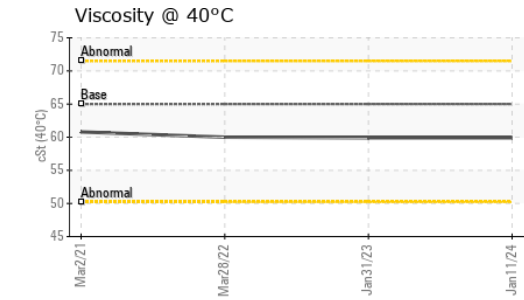
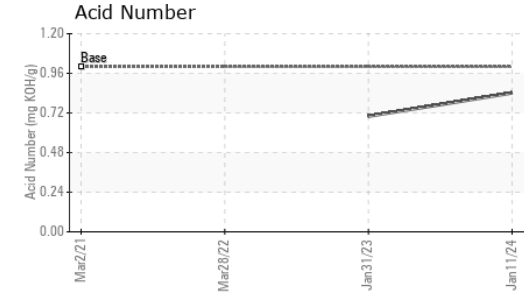
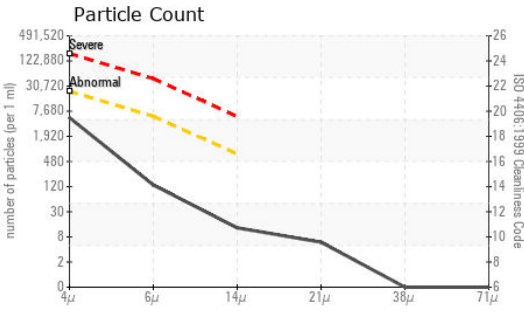
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>31	<b>13</b>	13	12
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	4
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>20000	<b>4691</b>	2333	---
Particles >6µm		ASTM D7647	>5000	<b>116</b>	74	---
Particles >14µm		ASTM D7647	>640	<b>11</b>	7	---
Particles >21µm		ASTM D7647	>160	<b>5</b>	4	---
Particles >38µm		ASTM D7647	>40	<b>0</b>	1	---
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>19/14/11</b>	18/13/10	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</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 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	0
Boron	ppm	ASTM D5185m		<b>0</b>	0	<1
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>4</b>	0	1
Calcium	ppm	ASTM D5185m	87	<b>90</b>	78	113
Phosphorus	ppm	ASTM D5185m	727	<b>608</b>	576	629
Zinc	ppm	ASTM D5185m	900	<b>829</b>	722	818
Sulfur	ppm	ASTM D5185m	1500	<b>1549</b>	1757	1452
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.841</b>	0.70	---
Visc @ 40°C	cSt	ASTM D445	65	<b>59.9</b>	59.9	60.0



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0200904 **Received** : 16 Jan 2024  
**Lab Number** : 06061401 **Diagnosed** : 23 Jan 2024  
**Unique Number** : 10832783 **Diagnostician** : Doug Bogart  
**Test Package** : CONST ( Additional Tests: PQ, PRTCOUNT )

**JRE - NEW BERN**  
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 T:  
 F:

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)