



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



Machine Id  
**JOHN DEERE 700H 6X65 (S/N HX919296)**  
Component  
**Hydraulic System**  
Fluid  
**JOHN DEERE HYDRAU (--- QTS)**

### RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0197140</b>	JR0141319	---
Sample Date		Client Info		<b>08 Jul 2024</b>	11 Aug 2023	---
Machine Age	hrs	Client Info		<b>3115</b>	3068	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>3008</b>	0	---
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	---
Filter Changed		Client Info		<b>Not Chngd</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	ABNORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>18</b>	19	---
Iron	ppm	ASTM D5185m	>23	<b>12</b>	11	---
Chromium	ppm	ASTM D5185m	>9	<b>1</b>	1	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>9	<b>3</b>	2	---
Lead	ppm	ASTM D5185m	>28	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>51	<b>14</b>	12	---
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

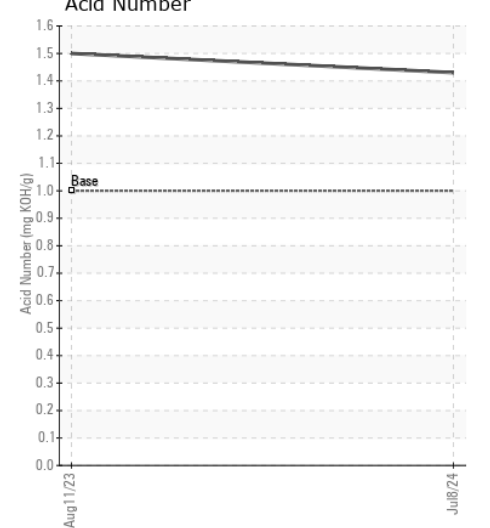
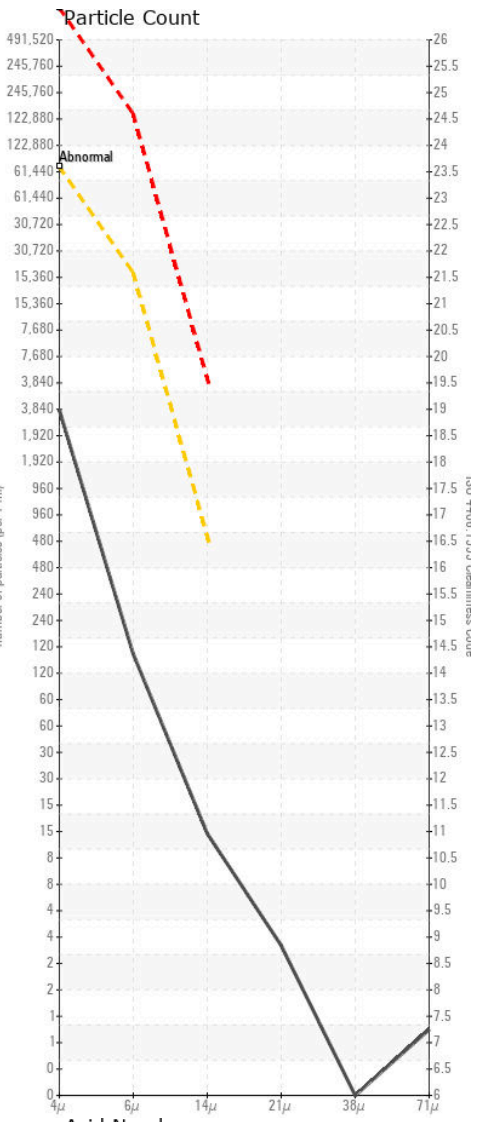
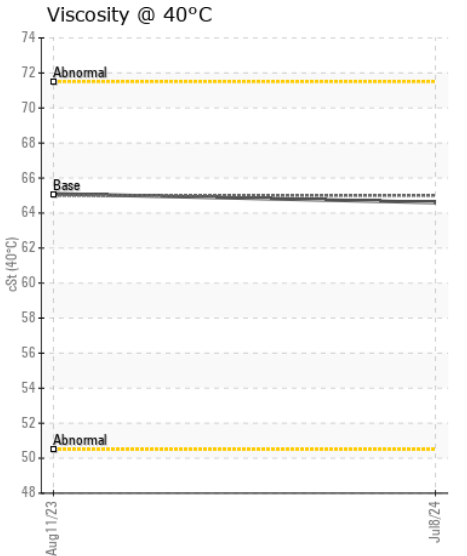
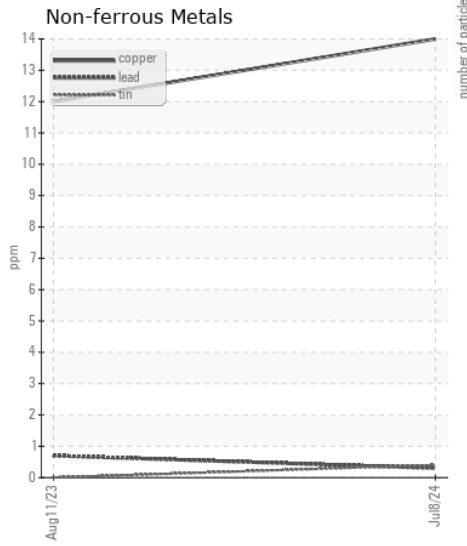
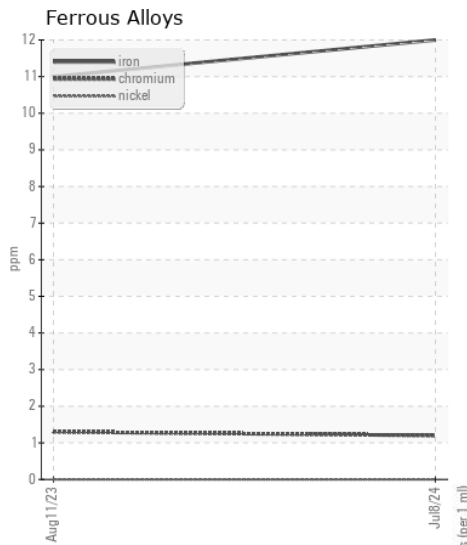
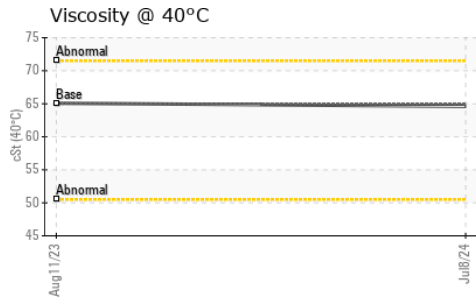
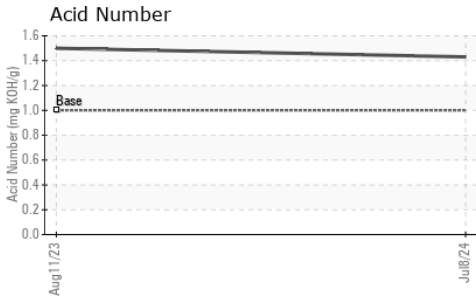
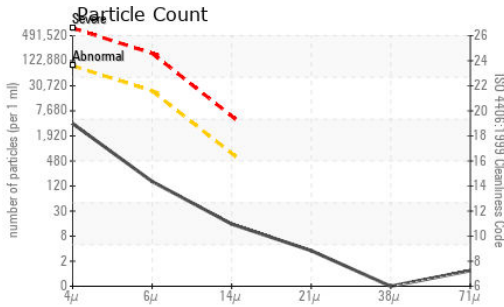
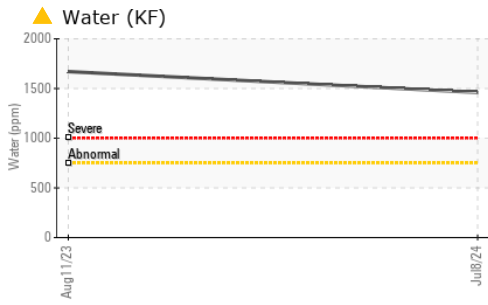
There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>31	<b>7</b>	6	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	---
Water	%	ASTM D6304	>0.075	<b>▲ 0.146</b>	▲ 0.167	---
ppm Water	ppm	ASTM D6304	>750	<b>▲ 1460</b>	▲ 1670	---
Particles >4µm		ASTM D7647	>80000	<b>3323</b>	2334	---
Particles >6µm		ASTM D7647	>20000	<b>136</b>	128	---
Particles >14µm		ASTM D7647	>640	<b>13</b>	11	---
Particles >21µm		ASTM D7647	>160	<b>3</b>	3	---
Particles >38µm		ASTM D7647	>40	<b>0</b>	0	---
Particles >71µm		ASTM D7647	>10	<b>1</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>23/21/16	<b>19/14/11</b>	18/14/11	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.075	<b>▲ 0.2%</b>	▲ 0.2%	---

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Sodium	ppm	ASTM D5185m	>21	<b>4</b>	1	---
Boron	ppm	ASTM D5185m		<b>143</b>	159	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>42</b>	43	---
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>204</b>	222	---
Calcium	ppm	ASTM D5185m	87	<b>2007</b>	2093	---
Phosphorus	ppm	ASTM D5185m	727	<b>956</b>	887	---
Zinc	ppm	ASTM D5185m	900	<b>1046</b>	1112	---
Sulfur	ppm	ASTM D5185m	1500	<b>4002</b>	4221	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>1.43</b>	1.50	---
Visc @ 40°C	cSt	ASTM D445	65	<b>64.6</b>	65.1	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0197140 **Received** : 10 Jul 2024  
**Lab Number** : 06232220 **Tested** : 15 Jul 2024  
**Unique Number** : 11115713 **Diagnosed** : 15 Jul 2024 - Sean Felton  
**Test Package** : MOBCE ( Additional Tests: KF, PQ )

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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