



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



Area  
**[W8881]**  
 Machine Id  
**JOHN DEERE 750K 1T0750KXPHF317888**  
 Component  
**Left Inner Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (4 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W8881 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0196931</b>	JR0183000	JR0140962
Sample Date		Client Info		<b>09 May 2024</b>	28 Nov 2023	20 Jun 2023
Machine Age	hrs	Client Info		<b>5507</b>	5016	4592
Oil Age	hrs	Client Info		<b>491</b>	4432	584
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>82</b>	308	277
Iron	ppm	ASTM D5185m	>750	<b>263</b>	586	395
Chromium	ppm	ASTM D5185m	>9	<b>2</b>	5	4
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	2
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	1	1
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

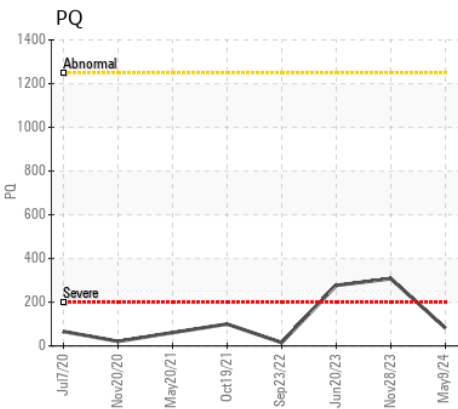
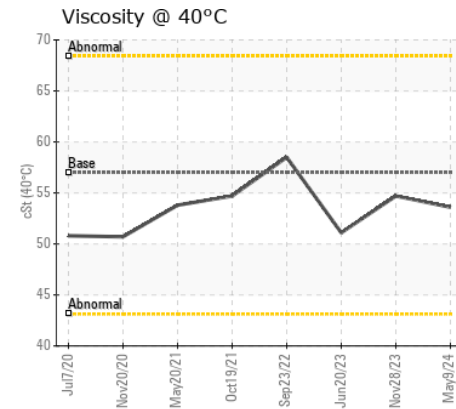
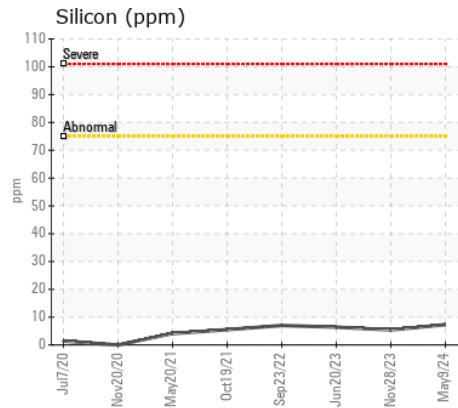
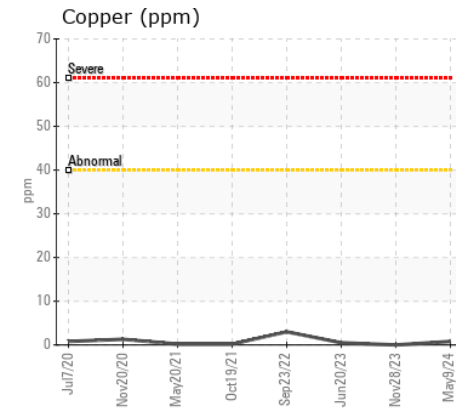
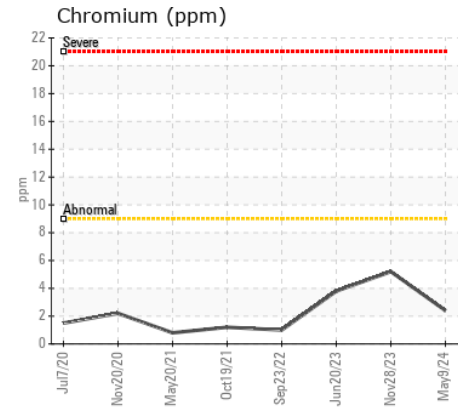
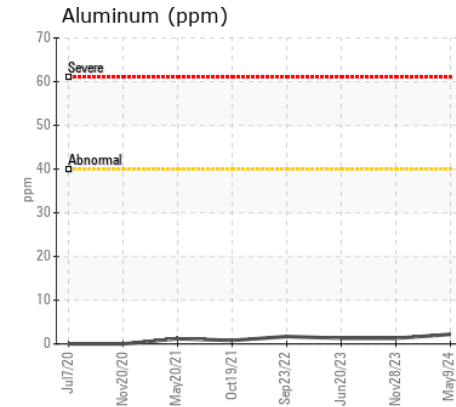
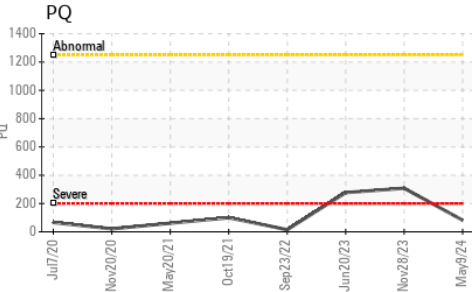
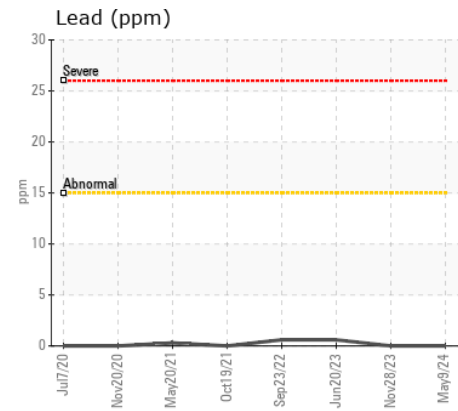
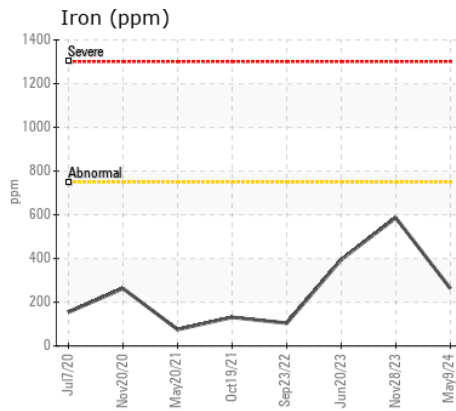
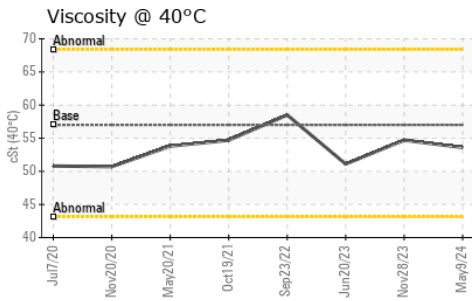
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>7</b>	5	6
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	3
Water		WC Method	>0.075	<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	>0.075	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>0</b>	0	3
Boron	ppm	ASTM D5185m	6	<b>0</b>	3	4
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	2
Manganese	ppm	ASTM D5185m		<b>2</b>	6	4
Magnesium	ppm	ASTM D5185m	145	<b>98</b>	111	104
Calcium	ppm	ASTM D5185m	3570	<b>3568</b>	3637	3502
Phosphorus	ppm	ASTM D5185m	1290	<b>1202</b>	1109	1050
Zinc	ppm	ASTM D5185m	1640	<b>1283</b>	1388	1298
Sulfur	ppm	ASTM D5185m		<b>4116</b>	3824	4877
Visc @ 40°C	cSt	ASTM D445	57.0	<b>53.6</b>	54.7	51.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0196931 **Received** : 10 May 2024  
**Lab Number** : 06175810 **Tested** : 13 May 2024  
**Unique Number** : 11021863 **Diagnosed** : 14 May 2024 - Sean Felton  
**Test Package** : MOBCE ( Additional Tests: PQ )

**JRE - HOPE MILLS/FAYETTEVILLE**  
 5039 HWY 301 SOUTH  
 HOPE MILLS, NC  
 US 28348

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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