



Area

[W66569]

Machine Id

JOHN DEERE 750K 1T0750KXJKF361478

Component

Right Outer Final Drive

Fluid

JOHN DEERE HY-GARD HYD/TRANS (4 GAL)

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. ( Customer Sample Comment: W66569 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215244	---	---
Sample Date		Client Info		08 May 2024	---	---
Machine Age	hrs	Client Info		5077	---	---
Oil Age	hrs	Client Info		5077	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	492	---	---
Iron	ppm	ASTM D5185m	>750	2144	---	---
Chromium	ppm	ASTM D5185m	>9	9	---	---
Nickel	ppm	ASTM D5185m	>10	14	---	---
Titanium	ppm	ASTM D5185m		24	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	282	---	---
Lead	ppm	ASTM D5185m	>15	<1	---	---
Copper	ppm	ASTM D5185m	>40	5	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		2	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

### CONTAMINATION

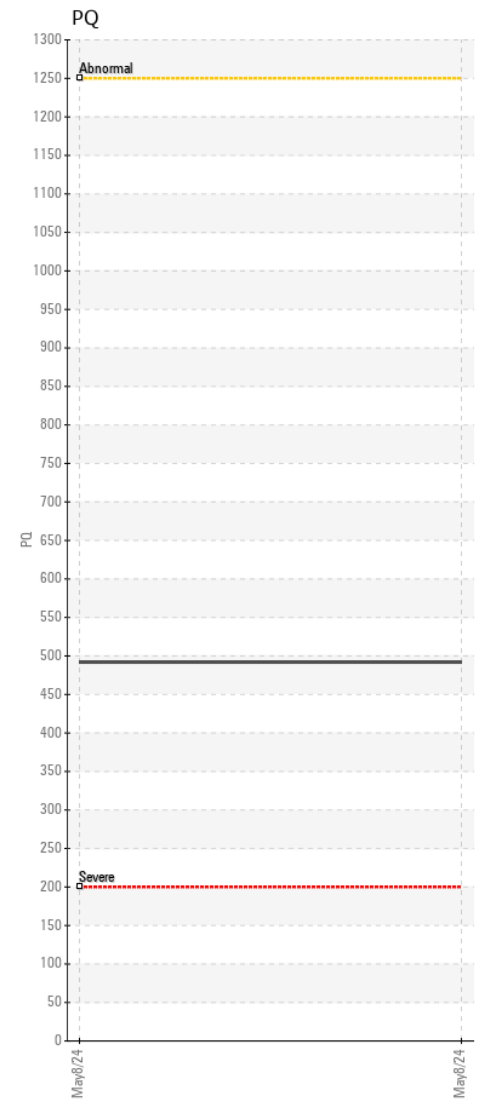
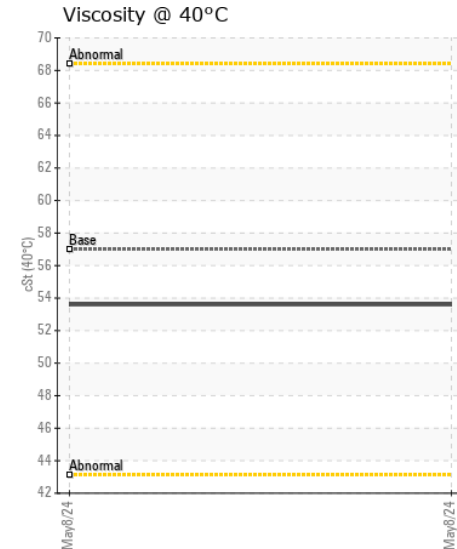
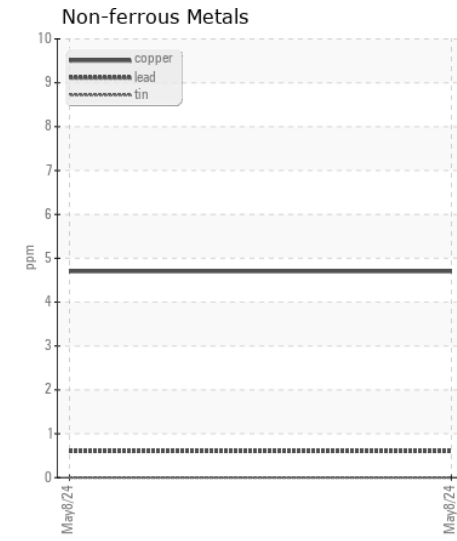
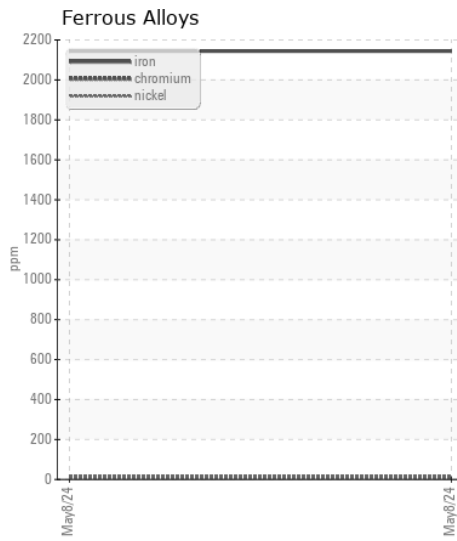
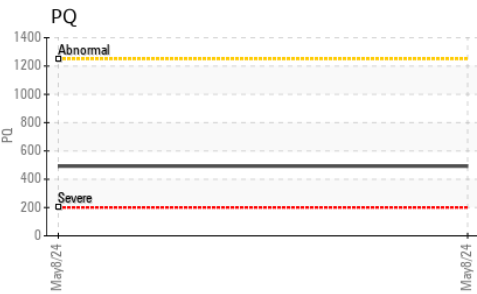
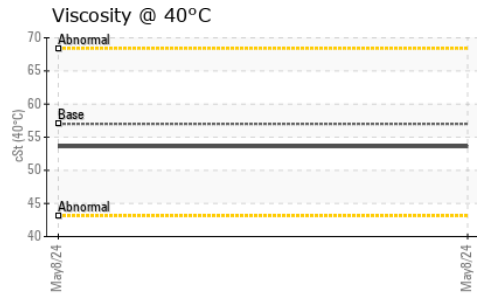
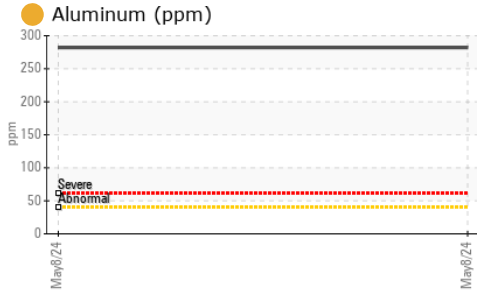
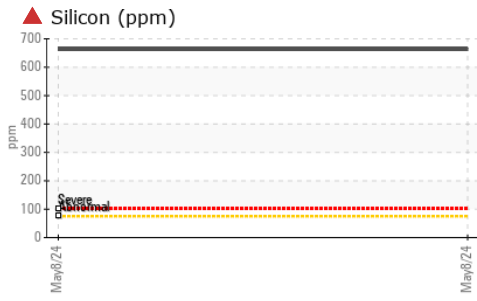
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	663	---	---
Potassium	ppm	ASTM D5185m	>20	21	---	---
Water		WC Method	>0.075	NEG	---	---
Silt	scalar	*Visual	NONE	LIGHT	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.075	NEG	---	---

### FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m	>51	29	---	---
Boron	ppm	ASTM D5185m	6	0	---	---
Barium	ppm	ASTM D5185m	0	2	---	---
Molybdenum	ppm	ASTM D5185m	0	3	---	---
Manganese	ppm	ASTM D5185m		19	---	---
Magnesium	ppm	ASTM D5185m	145	138	---	---
Calcium	ppm	ASTM D5185m	3570	3428	---	---
Phosphorus	ppm	ASTM D5185m	1290	1118	---	---
Zinc	ppm	ASTM D5185m	1640	1230	---	---
Sulfur	ppm	ASTM D5185m		3841	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	53.6	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0215244 **Received** : 10 May 2024  
**Lab Number** : 06175754 **Tested** : 13 May 2024  
**Unique Number** : 11021807 **Diagnosed** : 14 May 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**CARLTON'S BACKHOE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269  
 Contact: LEO

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)

T: (704)547-0211

F: