

# OIL ANALYSIS REPORT

Sample Rating Trend



**WATER**



Machine Id  
**JOHN DEERE 750L 6X67 (S/N 1T0750LXTNF414534)**  
 Component  
**Right Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- QTS)**

**DIAGNOSIS**

**▲ Recommendation**

Resample at the next service interval to monitor.

**Wear**

All component wear rates are normal.

**▲ Contamination**

There is a light concentration of water present in the oil.

**Fluid Condition**

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

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>JR0197265</b>	---	---
Sample Date	Client Info		<b>11 Jul 2024</b>	---	---
Machine Age	hrs	Client Info	<b>473</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

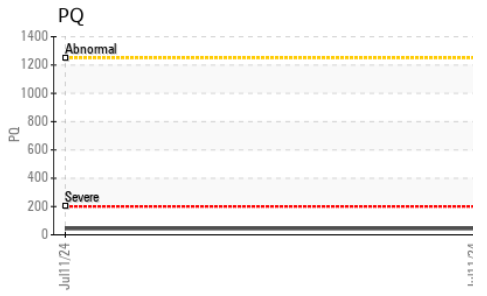
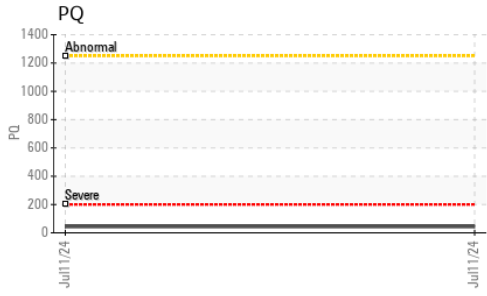
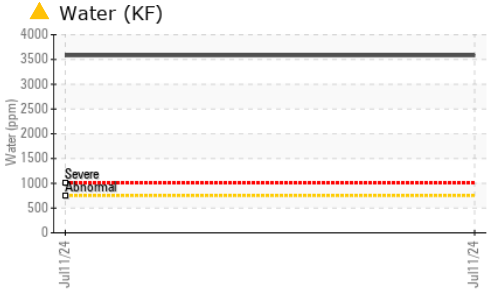
WEAR METALS	method	limit/base	current	history1	history2
PQ	ASTM D8184	>1250	<b>44</b>	---	---
Iron	ppm	ASTM D5185m	>750	<b>103</b>	---
Chromium	ppm	ASTM D5185m	>9	<b>1</b>	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Silver	ppm	ASTM D5185m		<b>0</b>	---
Aluminum	ppm	ASTM D5185m	>40	<b>3</b>	---
Lead	ppm	ASTM D5185m	>15	<b>0</b>	---
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---

ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	<b>3</b>	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	---
Manganese	ppm	ASTM D5185m		<b>1</b>	---
Magnesium	ppm	ASTM D5185m	145	<b>103</b>	---
Calcium	ppm	ASTM D5185m	3570	<b>3420</b>	---
Phosphorus	ppm	ASTM D5185m	1290	<b>879</b>	---
Zinc	ppm	ASTM D5185m	1640	<b>1246</b>	---
Sulfur	ppm	ASTM D5185m		<b>3348</b>	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>33</b>	---
Sodium	ppm	ASTM D5185m	>51	<b>0</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	---
Water	%	ASTM D6304	>0.075	<b>▲ 0.358</b>	---
ppm Water	ppm	ASTM D6304	>750	<b>▲ 3580</b>	---

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---
Emulsified Water	scalar	*Visual	>0.075	<b>0.2%</b>	---
Free Water	scalar	*Visual		<b>NEG</b>	---

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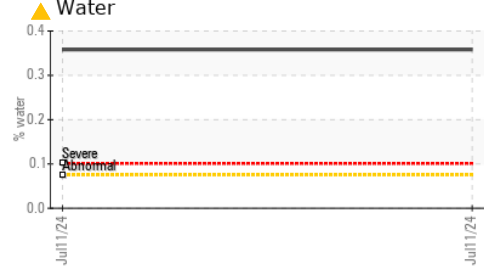
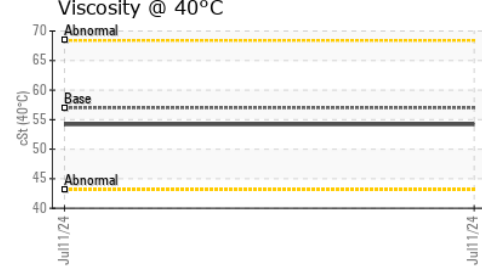
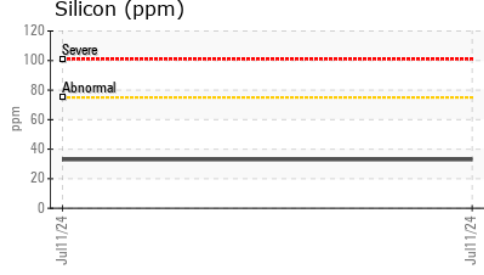
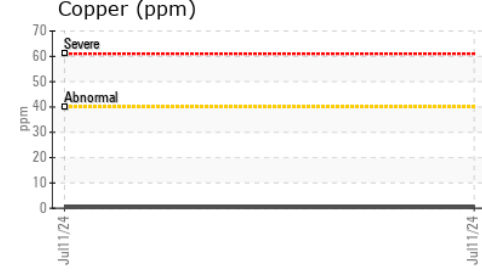
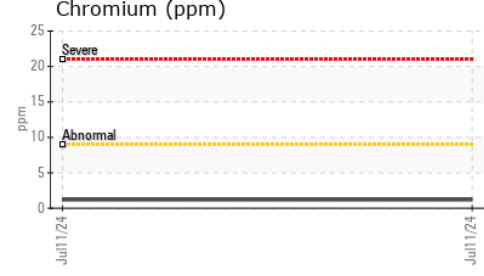
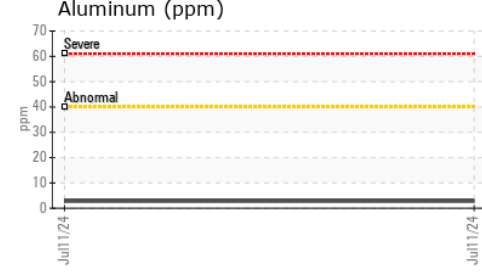
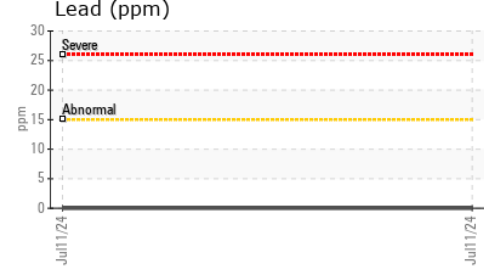
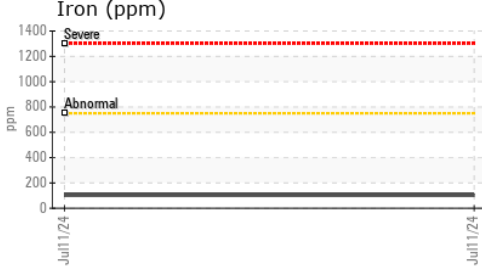


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.0	<b>54.2</b>	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image	no image
Bottom				no image	no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0197265      **Received** : 16 Jul 2024  
**Lab Number** : **06238051**      **Tested** : 17 Jul 2024  
**Unique Number** : 11126885      **Diagnosed** : 18 Jul 2024 - Don Baldrige  
**Test Package** : MOBCE ( Additional Tests: KF, PQ )

**NC FOREST SERVICE**  
 221 AIRPORT RD  
 FAYETTEVILLE, NC  
 US 28306

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: WALTER CAPPS  
WATER.CAPPS@NCAGR.GOV

\* - 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:  
F: