

PROBLEM SUMMARY



Machine Id
JOHN DEERE 750J 6X25 (S/N T0750JX130818)
Component
Left Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

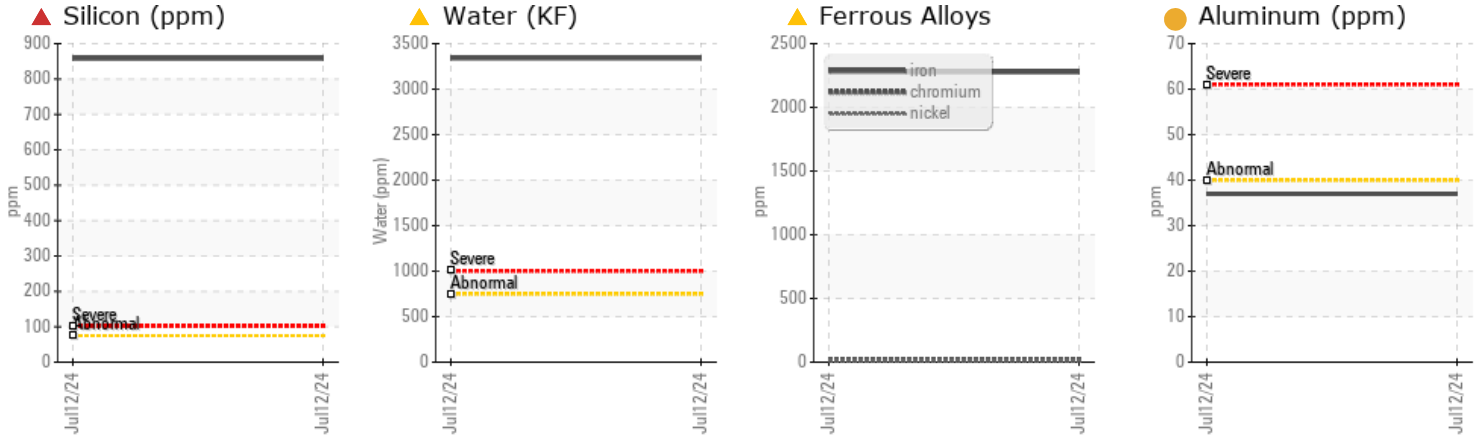
Sample Rating Trend



DIRT



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status	SEVERE	---	---
Iron ppm ASTM D5185m >750	▲ 2277	---	---
Chromium ppm ASTM D5185m >9	▲ 21	---	---
Silicon ppm ASTM D5185m >75	▲ 858	---	---
Water % ASTM D6304 >0.075	▲ 0.334	---	---
ppm Water ppm ASTM D6304 >750	▲ 3340	---	---

Customer Id: NCFAY
Sample No.: JR0197049
Lab Number: 06238050
Test Package: MOBCE



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
JOHN DEERE 750J 6X25 (S/N T0750JX130818)
Component
Left Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

DIAGNOSIS

▲ Recommendation

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

▲ Wear

Gear wear is indicated.

▲ Contamination

There is a light concentration of water present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		JR0197049	---	---
Sample Date	Client Info		12 Jul 2024	---	---
Machine Age	hrs	Client Info	1823	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184	>1250	813	---	---
Iron	ppm	ASTM D5185m	>750	▲ 2277	---
Chromium	ppm	ASTM D5185m	>9	▲ 21	---
Nickel	ppm	ASTM D5185m	>10	11	---
Titanium	ppm	ASTM D5185m		10	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>40	● 37	---
Lead	ppm	ASTM D5185m	>15	<1	---
Copper	ppm	ASTM D5185m	>40	7	---
Tin	ppm	ASTM D5185m	>10	0	---
Vanadium	ppm	ASTM D5185m		<1	---
Cadmium	ppm	ASTM D5185m		0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	7	---
Barium	ppm	ASTM D5185m	0	3	---
Molybdenum	ppm	ASTM D5185m	0	10	---
Manganese	ppm	ASTM D5185m		23	---
Magnesium	ppm	ASTM D5185m	145	91	---
Calcium	ppm	ASTM D5185m	3570	3183	---
Phosphorus	ppm	ASTM D5185m	1290	892	---
Zinc	ppm	ASTM D5185m	1640	1178	---
Sulfur	ppm	ASTM D5185m		4022	---

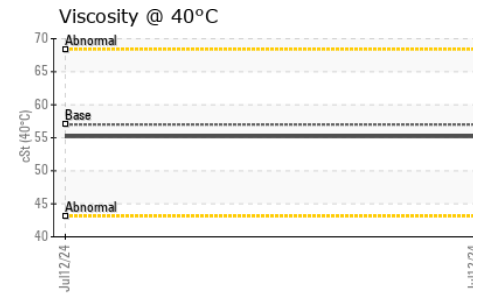
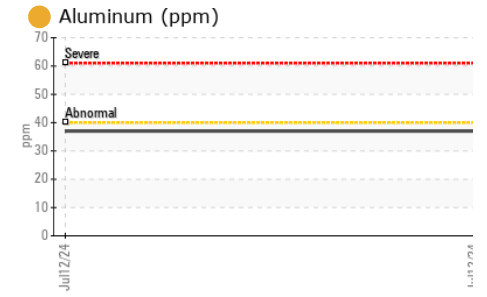
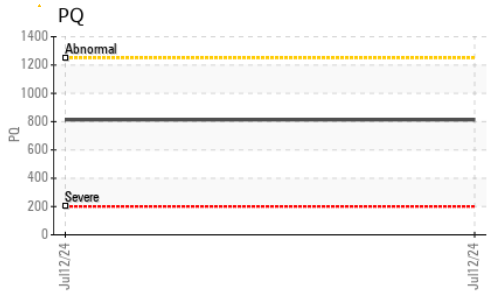
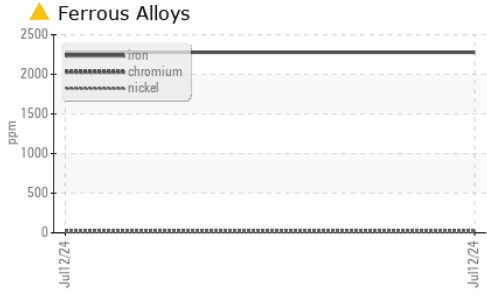
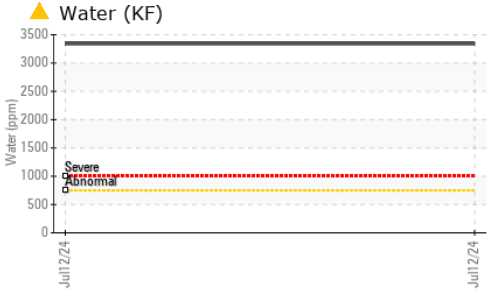
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	▲ 858	---
Sodium	ppm	ASTM D5185m	>51	5	---
Potassium	ppm	ASTM D5185m	>20	5	---
Water	%	ASTM D6304	>0.075	▲ 0.334	---
ppm Water	ppm	ASTM D6304	>750	▲ 3340	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	MODER	---
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	0.2%	---
Free Water	scalar	*Visual		NEG	---

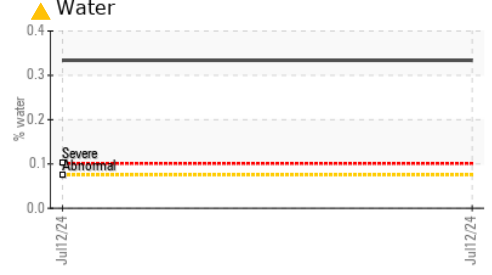
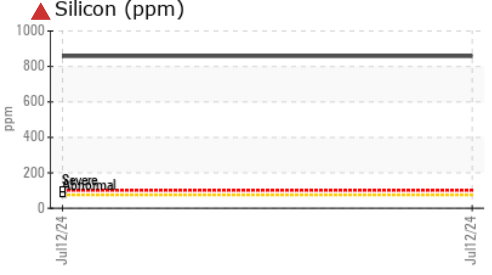
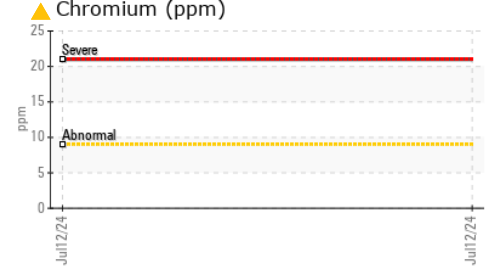
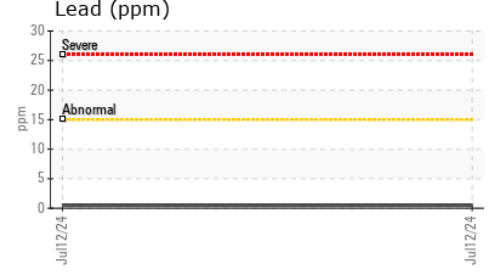
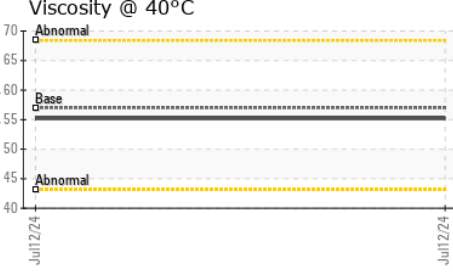
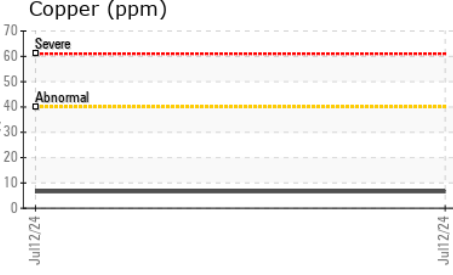
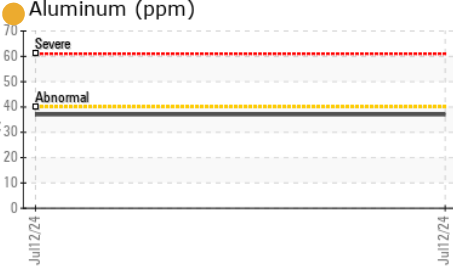
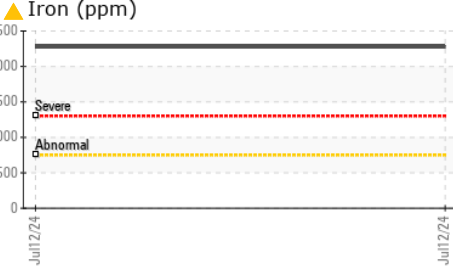
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 57.0	55.2	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0197049 **Received** : 16 Jul 2024
Lab Number : 06238050 **Tested** : 17 Jul 2024
Unique Number : 11126884 **Diagnosed** : 18 Jul 2024 - Don Baldrige
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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