

OIL ANALYSIS REPORT



Machine Id
JOHN DEERE 700K 6X75 (S/N 1T0700KXVGF302245)
Component
Left Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

Sample Rating Trend



WATER



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		JR0197042	---	---
Sample Date	Client Info		09 Jul 2024	---	---
Machine Age	hrs	Client Info	671	---	---
Oil Age	hrs	Client Info	284	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184	>1250	77	---	---
Iron	ppm	ASTM D5185m	>750	199	---
Chromium	ppm	ASTM D5185m	>9	2	---
Nickel	ppm	ASTM D5185m	>10	<1	---
Titanium	ppm	ASTM D5185m		<1	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>40	4	---
Lead	ppm	ASTM D5185m	>15	0	---
Copper	ppm	ASTM D5185m	>40	3	---
Tin	ppm	ASTM D5185m	>10	0	---
Vanadium	ppm	ASTM D5185m		0	---
Cadmium	ppm	ASTM D5185m		0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	1	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	0	<1	---
Manganese	ppm	ASTM D5185m		6	---
Magnesium	ppm	ASTM D5185m	145	96	---
Calcium	ppm	ASTM D5185m	3570	3420	---
Phosphorus	ppm	ASTM D5185m	1290	875	---
Zinc	ppm	ASTM D5185m	1640	1248	---
Sulfur	ppm	ASTM D5185m		3330	---

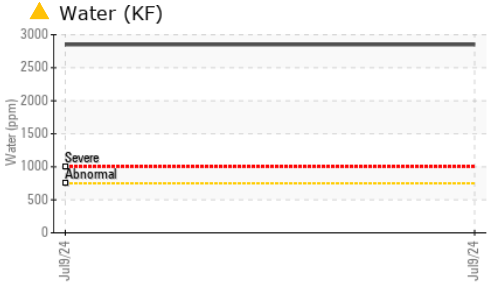
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	45	---
Sodium	ppm	ASTM D5185m	>51	4	---
Potassium	ppm	ASTM D5185m	>20	14	---
Water	%	ASTM D6304	>0.075	▲ 0.285	---
ppm Water	ppm	ASTM D6304	>750	▲ 2850	---

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	NONE	---
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	---

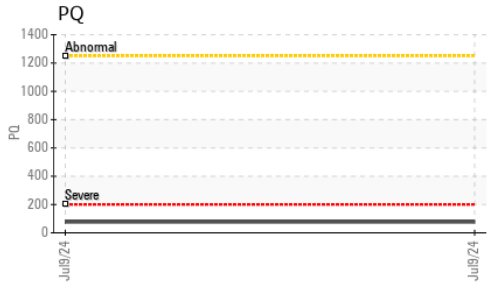
OIL ANALYSIS REPORT



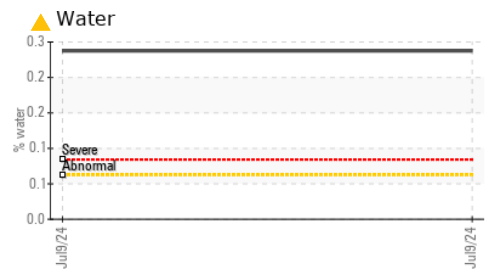
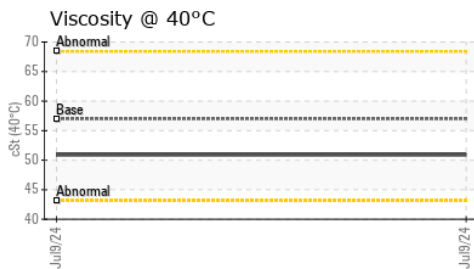
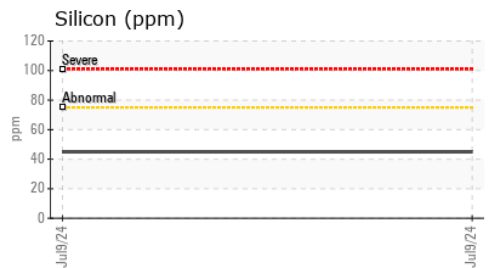
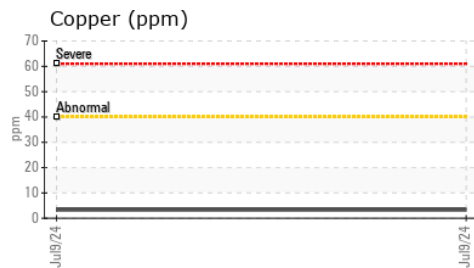
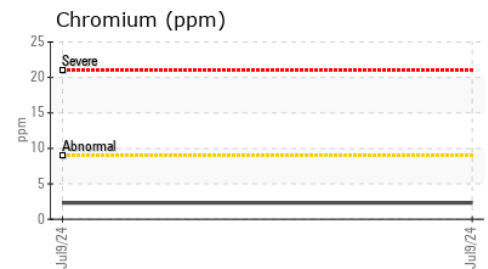
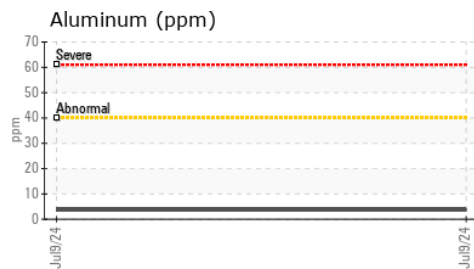
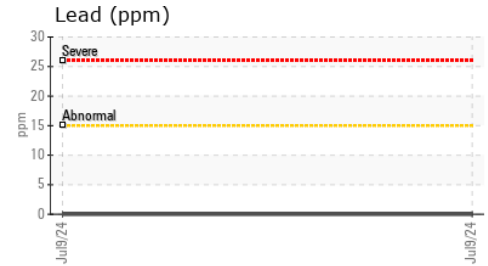
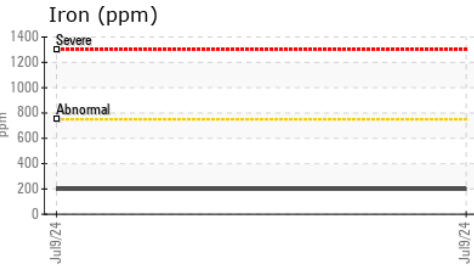
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.0	50.9	---

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. : JR0197042 **Received** : 16 Jul 2024
Lab Number : 06238124 **Tested** : 17 Jul 2024
Unique Number : 11126958 **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: