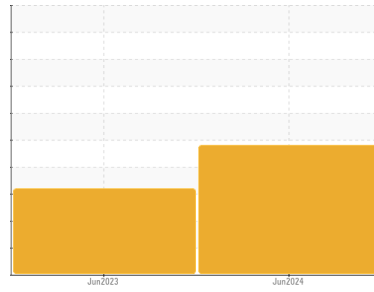


OIL ANALYSIS REPORT



Machine Id
JOHN DEERE 325G 1T0325GKCNJ426066
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (--- GAL)

Sample Rating Trend


WATER


DIAGNOSIS

▲ Recommendation

We advise that you check for the source of water entry. The filter change at the time of sampling has been noted.

Wear

All component wear rates are normal.

▲ Contamination

There is a light concentration of water present in the oil. There is a moderate amount of visible silt present in the sample. Free water present.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		JR0210432	JR0169828	---
Sample Date	Client Info		07 Jun 2024	06 Jun 2023	---
Machine Age	hrs	Client Info	946	542	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Not Changed	Changed	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184	>50	22	28	---
Iron	ppm	ASTM D5185m	>32	▲ 10	▲ 27
Chromium	ppm	ASTM D5185m	>9	<1	0
Nickel	ppm	ASTM D5185m	>5	0	0
Titanium	ppm	ASTM D5185m		<1	<1
Silver	ppm	ASTM D5185m		0	0
Aluminum	ppm	ASTM D5185m	>9	2	<1
Lead	ppm	ASTM D5185m	>28	<1	<1
Copper	ppm	ASTM D5185m	>50	3	12
Tin	ppm	ASTM D5185m	>5	0	<1
Vanadium	ppm	ASTM D5185m		0	0
Cadmium	ppm	ASTM D5185m		0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	3
Barium	ppm	ASTM D5185m		<1	0
Molybdenum	ppm	ASTM D5185m		0	<1
Manganese	ppm	ASTM D5185m		0	<1
Magnesium	ppm	ASTM D5185m		5	8
Calcium	ppm	ASTM D5185m	87	214	371
Phosphorus	ppm	ASTM D5185m	727	668	636
Zinc	ppm	ASTM D5185m	900	884	856
Sulfur	ppm	ASTM D5185m	1500	1681	2337

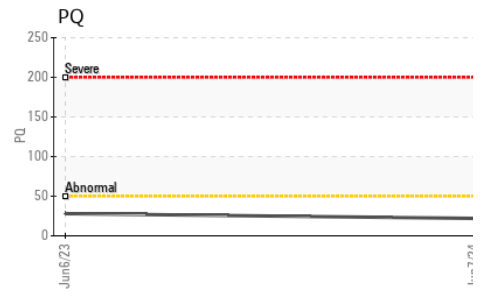
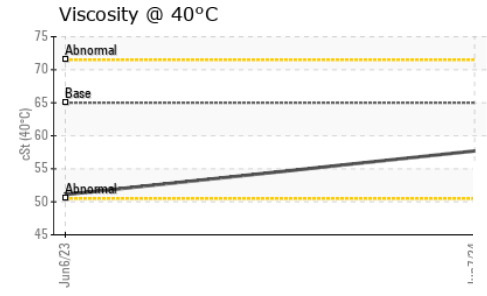
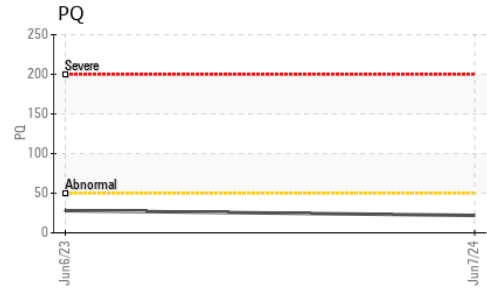
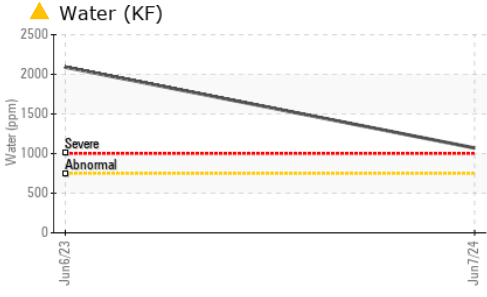
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>11	3	4
Sodium	ppm	ASTM D5185m	>21	0	1
Potassium	ppm	ASTM D5185m	>20	2	2
Water	%	ASTM D6304	>0.075	▲ 0.107	▲ 0.209
ppm Water	ppm	ASTM D6304	>750	▲ 1070	▲ 2090

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.79	0.76

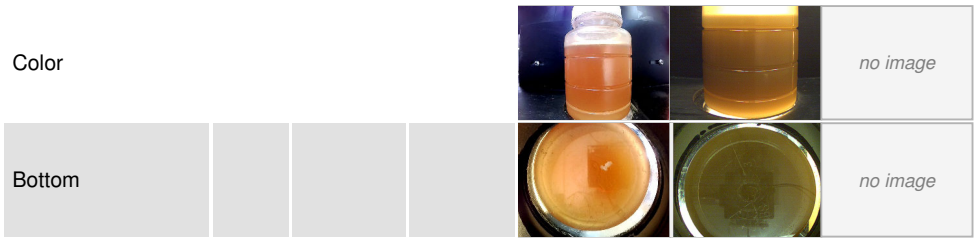
OIL ANALYSIS REPORT



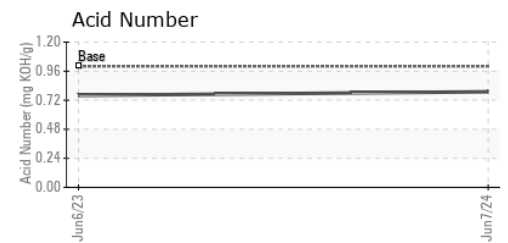
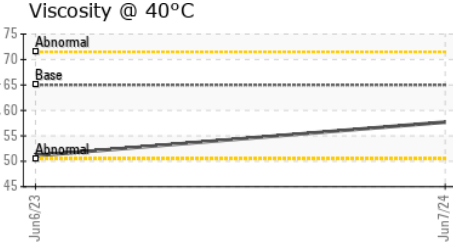
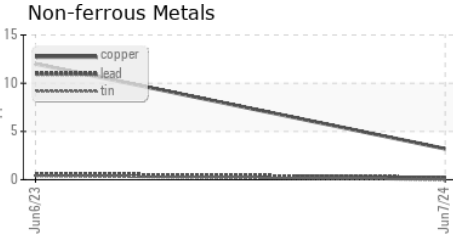
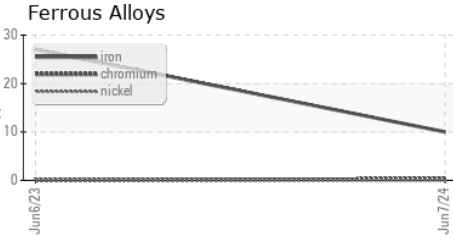
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	▲ MODER	LIGHT
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	● HAZY	● MILKY
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.075	▲ 0.2%	0.2%
Free Water	scalar	*Visual		▲ 1.0	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	65	57.7	51.1

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0210432 **Received** : 14 Jun 2024
Lab Number : 06210689 **Tested** : 19 Jun 2024
Unique Number : 11083553 **Diagnosed** : 19 Jun 2024 - Angela Borella
Test Package : CONST (Additional Tests: KF, PQ)

JRE - STEPHENSON
 245 YARDMASTER COURT
 STEPHENSON, VA
 US 22656-1761
 Contact: PHIL DAUGHERTY
 pdaugherty@jamesriverequipment.com

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: x: F: (540)693-2588