



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 410E-II 5465 (S/N 1DW410EBEMF709413)
 Component
Transmission (Auto)
 Fluid
TDTO FLUID SAE 10W (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0219806	JR0178744	---
Sample Date		Client Info		07 Jul 2024	17 Aug 2023	---
Machine Age	hrs	Client Info		4853	3625	---
Oil Age	hrs	Client Info		4853	3625	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

Moderate concentration of visible metal present. All component wear rates are normal.

PQ		ASTM D8184	>50	28	24	---
Iron	ppm	ASTM D5185m	>160	46	58	---
Chromium	ppm	ASTM D5185m	>5	0	0	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>5	0	0	---
Aluminum	ppm	ASTM D5185m	>50	0	2	---
Lead	ppm	ASTM D5185m	>50	0	2	---
Copper	ppm	ASTM D5185m	>225	1	2	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	▲ MODER	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

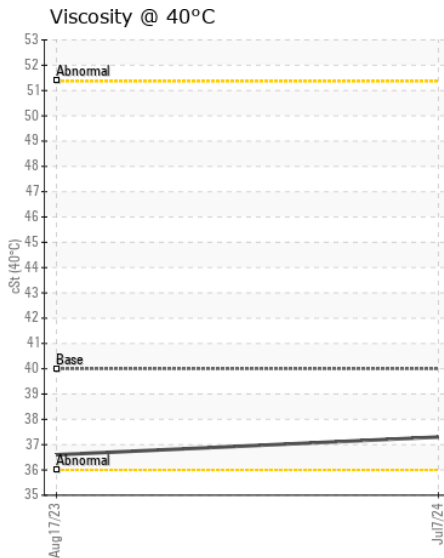
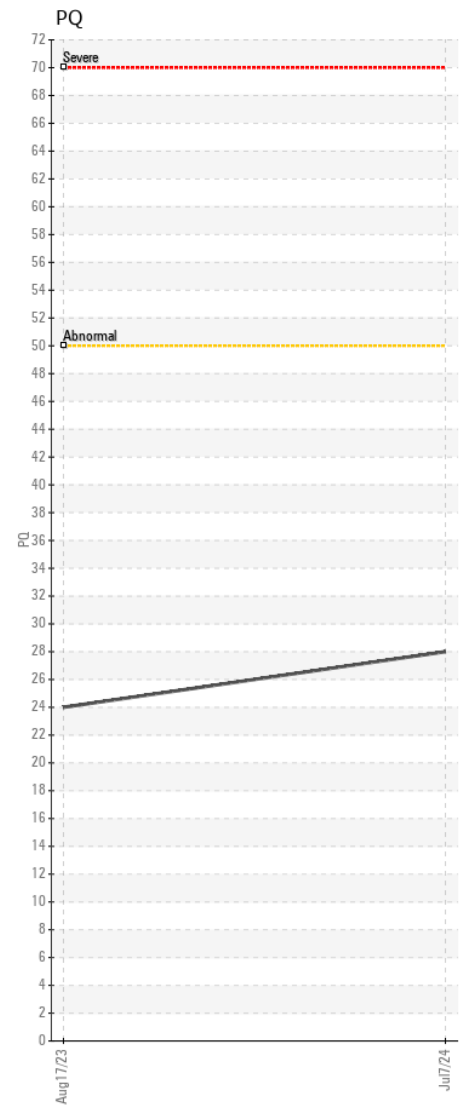
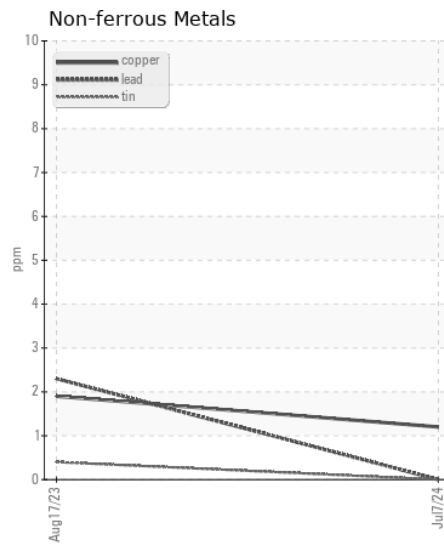
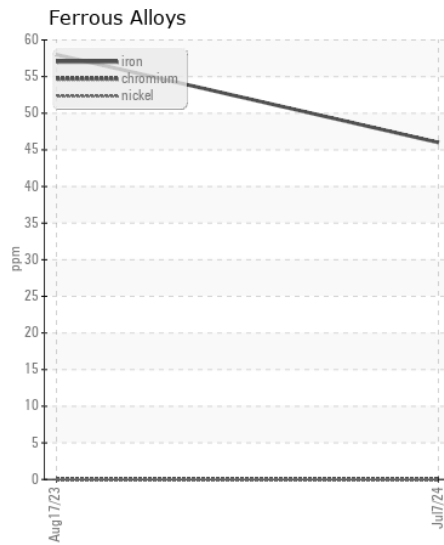
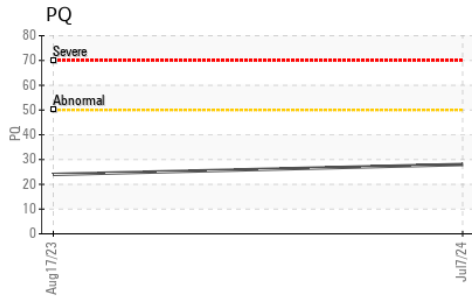
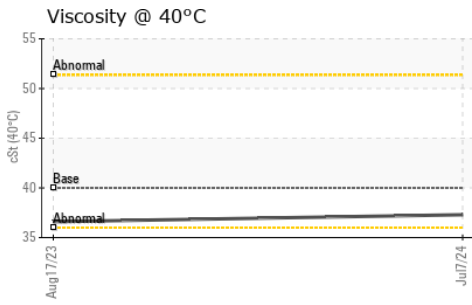
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	2	7	---
Potassium	ppm	ASTM D5185m	>20	<1	3	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	3	---
Boron	ppm	ASTM D5185m	37	111	140	---
Barium	ppm	ASTM D5185m	7	0	0	---
Molybdenum	ppm	ASTM D5185m	5	0	<1	---
Manganese	ppm	ASTM D5185m		<1	1	---
Magnesium	ppm	ASTM D5185m	40	2	5	---
Calcium	ppm	ASTM D5185m	2650	85	177	---
Phosphorus	ppm	ASTM D5185m	1050	274	286	---
Zinc	ppm	ASTM D5185m	1075	14	39	---
Sulfur	ppm	ASTM D5185m	5750	353	634	---
Visc @ 40°C	cSt	ASTM D445	40	37.3	36.6	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0219806 **Received** : 10 Jul 2024
Lab Number : 06232414 **Tested** : 11 Jul 2024
Unique Number : 11115907 **Diagnosed** : 11 Jul 2024 - Sean Felton
Test Package : CONST (Additional Tests: 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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