

WEAR CONTAMINATION FLUID CONDITION **ABNORMAL NORMAL NORMAL**



JOHN DEERE 410E-II 1DW410EBTMF708927

Component **Pront Differential**

Differential Oil (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		JR0193139	JR0178315	JR0162402
	Sample Date		Client Info		02 Jan 2024	18 Sep 2023	11 Apr 2023
	Machine Age	hrs	Client Info		3539	3539	2968
	Oil Age	hrs	Client Info		2533	3104	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Not Changd	N/A
	Filter Changed		Client Info		Changed	Not Changd	N/A
	Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR	PQ		ASTM D8184		124	7	17
Bearing and/or bushing wear is indicated.	Iron	ppm	ASTM D5185m	>500	224	1	24
	Chromium	ppm	ASTM D5185m	>10	1	0	<1
	Nickel	ppm	ASTM D5185m	>10	4	0	0
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	2	<1	4
	Lead	ppm	ASTM D5185m		0	0	13
	Copper	ppm	ASTM D5185m		<u> </u>	0	5
	Tin	ppm	ASTM D5185m	>10	<u>^</u> 6	<1	0
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	MODER	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION There is no indication of any contamination in the oil.	Silicon	ppm	ASTM D5185m	>75	13	5	6
	Potassium	ppm	ASTM D5185m	>20	0	0	2
	Water		WC Method	>.2	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4	<1	<1
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		6	<1	0
	Barium	ppm	ASTM D5185m		<1	0	0
	Molybdenum	ppm	ASTM D5185m		0	<1	2
	Manganese	ppm	ASTM D5185m		10	0	<1
	Magnesium	ppm	ASTM D5185m		94	102	93
	Calcium	ppm	ASTM D5185m		3217	3348	3766
	Phosphorus	ppm	ASTM D5185m		1003	998	1150
	Zinc	ppm	ASTM D5185m		1217	1233	1330
	Sulfur	ppm	ASTM D5185m		3242	4139	3873

Visc @ 40°C cSt

ASTM D445

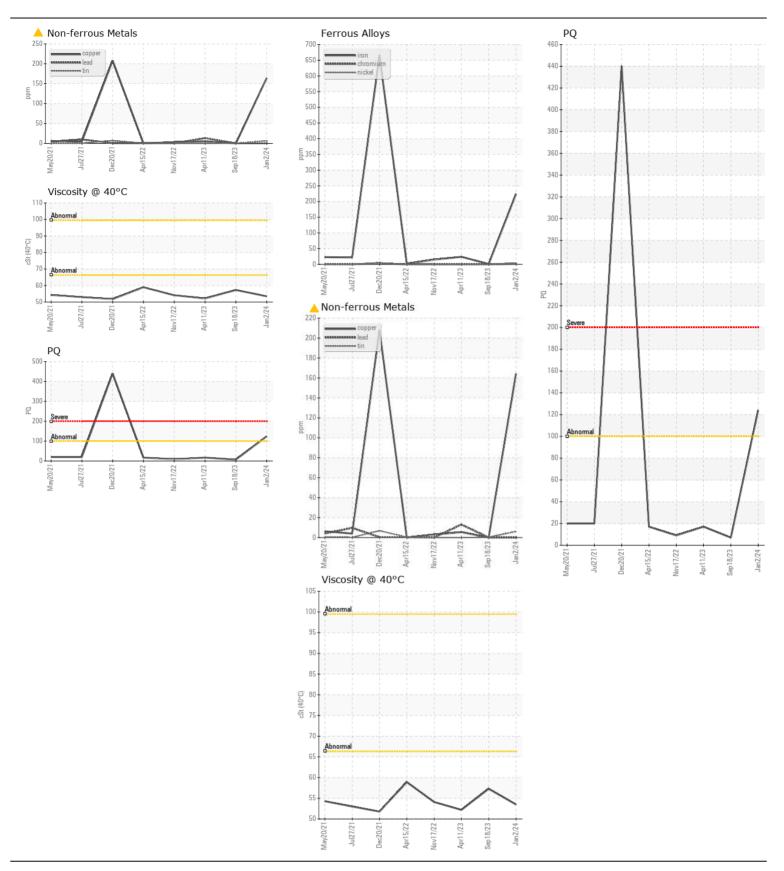
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Submitted By: Chuck Sorrow

57.3

53.5

52.2







Certificate L2367

Laboratory Sample No. **Lab Number**

Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0193139 : 06059520

: 10830902

Recieved : 12 Jan 2024 Diagnosed Diagnostician : Jonathan Hester

: 16 Jan 2024

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) **CARLTON'S BACKHOE**

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