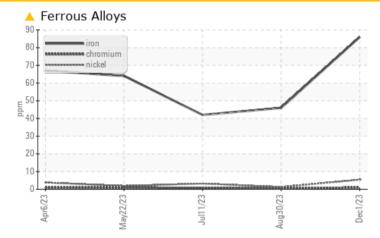


JOHN DEERE 8R310 11614 (S/N 1RW8310DTNB208641)

Component Diesel Engine

DIESEL ENGINE OIL SAE 40 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	NORMAL	NORMAL		
Iron	ppm	ASTM D5185m	>51	<u> </u>	46	42		

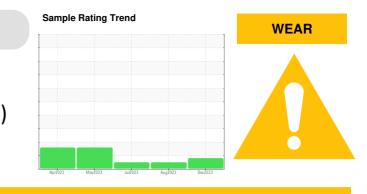
Customer Id: TRANEW Sample No.: WC0879422 Lab Number: 06026194 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

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



RECOMMENDED	RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description			
Change Fluid			?	Oil and filter change at the time of sampling has been noted.			
Change Filter			?	Oil and filter change at the time of sampling has been noted.			

HISTORICAL DIAGNOSIS



30 Aug 2023 Diag: Wes Davis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



view report

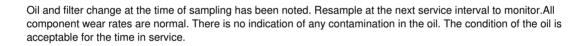
11 Jul 2023 Diag: Wes Davis



Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

22 May 2023 Diag: Angela Borella











OIL ANALYS

Machine Ic JOHN DEERE 8R310 11614 (S/N 1RW83 Component

Diesel Engine Fluic

DIESEL ENGINE OIL SAE 40 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

A Wear

Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

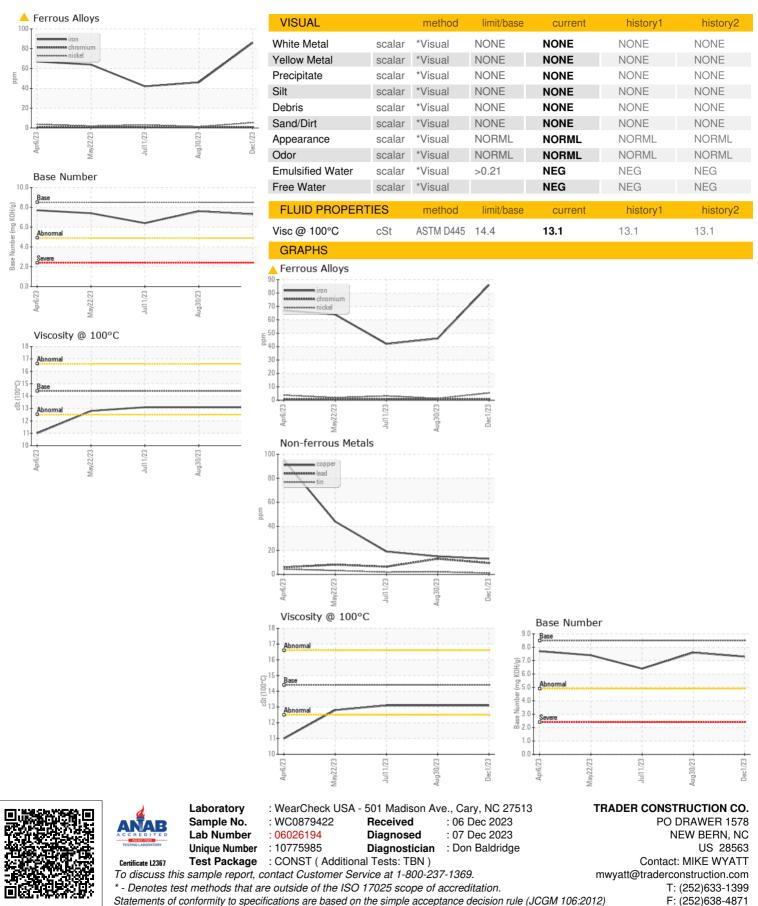
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SIS REPC	ТО	Samp	le Rating Tro	end		WEAR
313 REPU	וחי					WEAN
/8310DTNB20	8641)					
•••••	,					
		[
SAMPLE INFORM		Apr2023	May2023	Jul2023 Aug2023	Dec2023	biotom (O
	/IATION	method	limit/base		history1	history2
Sample Number		Client Info		WC0879422	WC0837040	WC0816286
Sample Date		Client Info		01 Dec 2023	30 Aug 2023	11 Jul 2023
Machine Age	hrs	Client Info Client Info		4158	3126 776	2350
Oil Age Oil Changed	hrs	Client Info		1032 Changed	Changed	580 Changed
Sample Status		Chefit IIIIO		ABNORMAL	NORMAL	NORMAL
				-		-
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
Water		WC Method	>0.21	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>51	<u> </u>	46	42
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	5	1	3
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>31	2	3	3
Lead	ppm	ASTM D5185m	>26	10	13	6
Copper	ppm	ASTM D5185m		13	15	19
Tin	ppm	ASTM D5185m	>4	1	2	2
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	<1	<1	3
Barium	ppm	ASTM D5185m	10	2	0	2
Molybdenum	ppm	ASTM D5185m	100	62	65	70
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	450	919	1031	929
Calcium	ppm	ASTM D5185m	3000	1118	1324	1179
Phosphorus	ppm	ASTM D5185m	1150	894	1033 1373	988 1275
Zinc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m	1350 4250	1199 2650	3043	2927
						-
CONTAMINANTS		method	limit/base		history1	history2
Silicon	ppm	ASTM D5185m	>22	5	4	3
Sodium	ppm	ASTM D5185m	>216	2	2	1
Potassium	ppm	ASTM D5185m	>20	2	0	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9	0.7	0.6
Nitration	Abs/cm	*ASTM D7624	>20	9.2	8.5	8.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.9	19.9	19.6
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.2	16.6	16.4
Base Number (BN)	mg KOH/g	ASTM D7414 ASTM D2896	8.5	7.3	7.6	6.4
	ing KOTiry	70 HW D2030	5.0	1.5	7.0	0.7



OIL ANALYSIS REPORT



Contact/Location: MIKE WYATT - TRANEW