

# **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL

# JOHN DEERE 843L 1DW843LBHKF696476

Component **Diesel Engine** 

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- QTS)

# DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

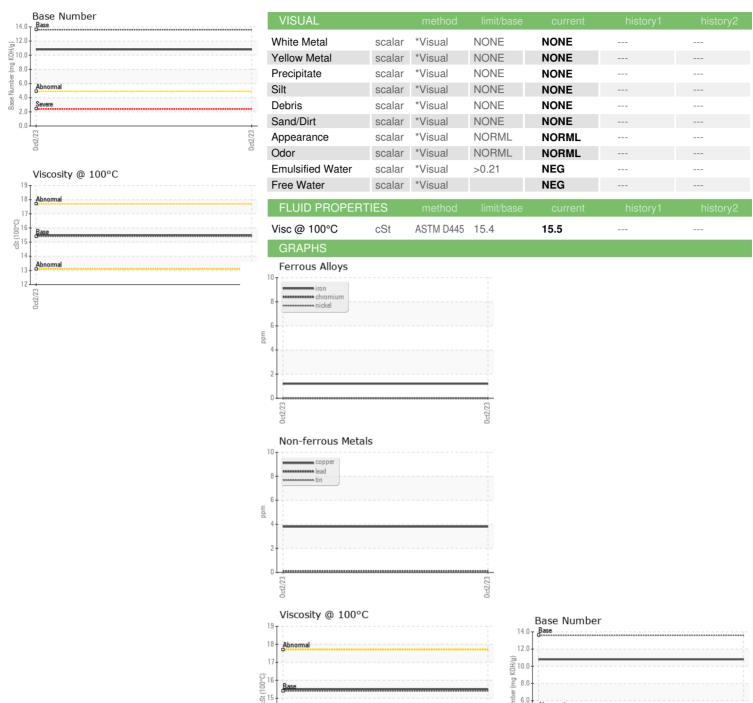
## **Fluid Condition**

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

40 ( Q1S)				Oct2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WE0005185		
Sample Date		Client Info		02 Oct 2023		
Machine Age	hrs	Client Info		5089		
Oil Age	hrs	Client Info		1		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>2.1	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>51	1		
Chromium	ppm	ASTM D5185m	>11	0		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>31	2		
Lead	ppm	ASTM D5185m	>26	<1		
Copper	ppm	ASTM D5185m	>26	4		
Tin	ppm	ASTM D5185m	>4	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		364		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		270		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		930		
Calcium	ppm	ASTM D5185m		1546		
Phosphorus	ppm	ASTM D5185m		972		
Zinc	ppm	ASTM D5185m		1201		
Sulfur	ppm	ASTM D5185m		3287		
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>22	10		
Sodium	ppm	ASTM D5185m	>31	2		
Potassium	ppm	ASTM D5185m	>20	4		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	6.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.3		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2		
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	10.8		
	1119 1101119		. 0.0	. 0.0		



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: WE0005185 : 05968702 : 10675253

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: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

: 04 Oct 2023 : 04 Oct 2023 Diagnostician : Wes Davis

6.0 Base 4.0 2.0

0.0

Test Package : CONST ( Additional Tests: TBN ) 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.

WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT

P.O. BOX 412 NORTHPORT, AL US 35476

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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