

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **JOHN DEERE 50G 1FF050GXAKH291948**

**Diesel Engine** 

**JOHN DEERE ENGINE OIL PLUS 50 II 15W** 

# DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

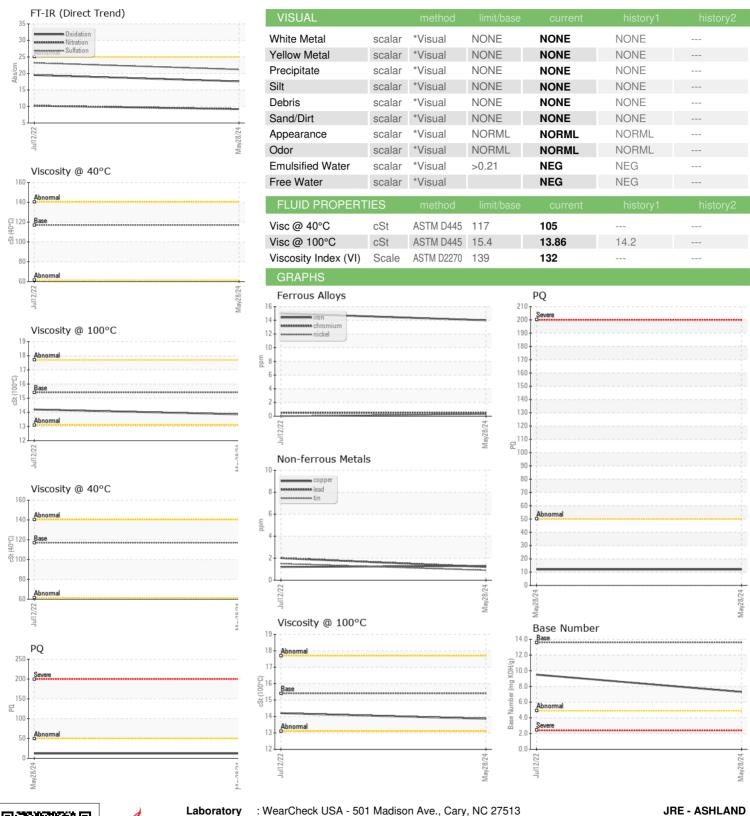
### **Fluid Condition**

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

0 (9 QTS)		<u>.                                      </u>	Jul2022	May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0212168	JR0136979	
Sample Date		Client Info		28 May 2024	12 Jul 2022	
lachine Age	hrs	Client Info		2377	1896	
Dil Age	hrs	Client Info		500	1896	
Dil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	V	method	limit/base	current	history1	history2
uel		WC Method	>2.1	<1.0	<1.0	
Vater		WC Method	>0.21	NEG	NEG	
Slycol		WC Method	7 U.L I	NEG	NEG	
			11 11 11			
WEAR METALS		method	limit/base	current	history1	history2
Q		ASTM D8184	>50	12		
on	ppm	ASTM D5185m	>51	14	15	
Chromium	ppm	ASTM D5185m	>11	<1	<1	
lickel	ppm	ASTM D5185m	>5	<1	0	
itanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>3	0	<1	
luminum	ppm	ASTM D5185m	>31	6	4	
ead	ppm	ASTM D5185m	>26	1	2	
Copper	ppm	ASTM D5185m	>26	1	1	
in	ppm	ASTM D5185m	>4	<1	2	
anadium	ppm	ASTM D5185m		<1	0	
admium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		245	248	
Sarium	ppm	ASTM D5185m		2	0	
Nolybdenum	ppm	ASTM D5185m		248	267	
langanese	ppm	ASTM D5185m		<1	<1	
lagnesium	ppm	ASTM D5185m		772	865	
alcium		ASTM D5185m		1385	1603	
	ppm				947	
Phosphorus	ppm	ASTM D5185m		900		
linc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m		1043 2938	1163 3797	
CONTAMINANTS		method	limit/base	current	history1	history2
ilicon	ppm	ASTM D5185m	>22	13	15	
odium	ppm	ASTM D5185m	>31	1	2	
otassium	ppm	ASTM D5185m	>20	2	4	
INFRA-RED	P					
	0/	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.3	
litration	Abs/cm	*ASTM D7624	>20	9.2	10.2	
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2	23.2	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.6	19.5	
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	7.3	9.5	



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number

: JR0212168 : 06194707 Unique Number : 11056830

Received : 29 May 2024 **Tested** Diagnosed

: 03 Jun 2024 : 03 Jun 2024 - Wes Davis

Test Package : CONST ( Additional Tests: KV40, PQ, TBN, VI ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (804)798-6001 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (804)798-0292

Submitted By: TECHNICIAN ACCOUNT

Report Id: JAMASH [WUSCAR] 06194707 (Generated: 06/03/2024 14:53:08) Rev: 1

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