

PROBLEM SUMMARY

Sample Rating Trend

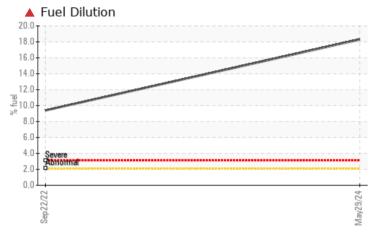
Machine Id

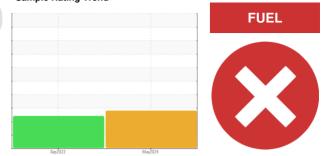
JOHN DEERE 4044M 1LV4044MLJJ103663

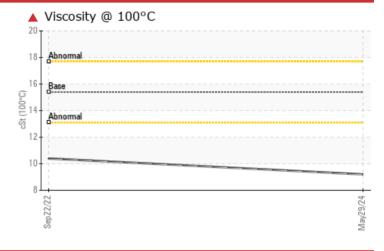
Diesel Engine

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

COMPONENT CONDITION SUMMARY







RECOMMENDATION

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	SEVERE			
Fuel	%	ASTM D3524	>2.1	18.3	9 .4			
Visc @ 100°C	cSt	ASTM D445	15.4	9.2	10.4			

Customer Id: JAMASH Sample No.: JR0212116 Lab Number: 06195301 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

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

RECOMMENDED	MENDED ACTIONS				
Action	Status	Date	Done By	Description	
Resample			?	We recommend an early resample to monitor this condition.	
Check Fuel/injector System			?	We advise that you check the fuel injection system.	

HISTORICAL DIAGNOSIS



22 Sep 2022 Diag: Jonathan Hester

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.





OIL ANALYSIS REPORT

Sample Rating Trend

FUEL

X

Machine Id

JOHN DEERE 4044M 1LV4044MLJJ103663

Diesel Engine

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

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

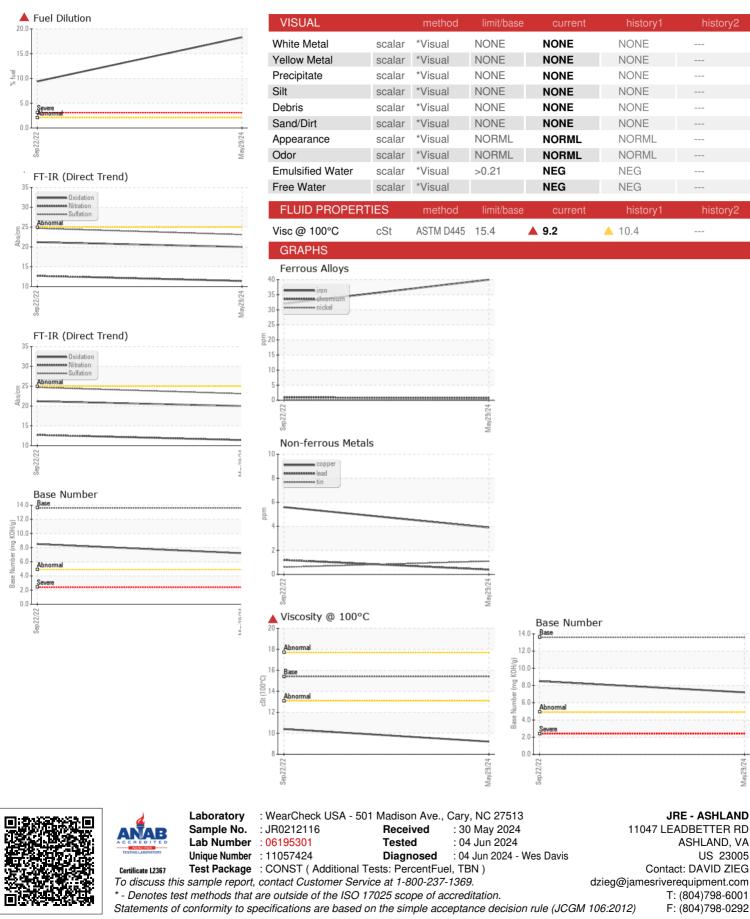
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

40 (QTS)		-	Sep2022	May2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0212116	JR0147497	
Sample Date		Client Info		29 May 2024	22 Sep 2022	
Machine Age	hrs	Client Info		3029	2112	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				SEVERE	SEVERE	
CONTAMINATIC)N	method	limit/base		history1	history2
Water		WC Method	>0.21	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>51	40	32	
Chromium	ppm	ASTM D5185m	>11	<1	<1	
Nickel	ppm	ASTM D5185m	>5	0	0	
Titanium	ppm	ASTM D5185m	. •	0	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>31	7	4	
_ead	ppm	ASTM D5185m	>26	, <1	1	
Copper	ppm	ASTM D5185m	>26	4	6	
Fin	ppm	ASTM D5185m	>4	1	<1	
/anadium	ppm	ASTM D5185m	21	0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES	I- I-	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		91	87	
Barium	ppm	ASTM D5185m		<1	0	
Nolybdenum	ppm	ASTM D5185m		198	181	
Vanganese	ppm	ASTM D5185m		<1	<1	
Vagnesium	ppm	ASTM D5185m		661	608	
Calcium	ppm	ASTM D5185m		1144	1188	
Phosphorus	ppm	ASTM D5185m		662	590	
Zinc	ppm	ASTM D5185m		779	702	
Sulfur	ppm	ASTM D5185m		2791	2623	
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>22	8	7	
Sodium	ppm	ASTM D5185m	>31	2	1	
Potassium	ppm	ASTM D5185m	>20	<1	0	
Fuel	%	ASTM D3524	>2.1	18.3	9 .4	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.6	
Nitration	Abs/cm	*ASTM D7624	>20	11.4	12.7	
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.1	24.7	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.0	21.2	
Base Number (BN)	mg KOH/g	ASTM D2896		7.2	8.5	
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OIL ANALYSIS REPORT



Contact/Location: DAVID ZIEG - JAMASH

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