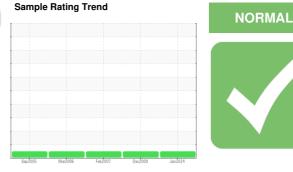


OIL ANALYSIS REPORT







JOHN DEERE 672D DW672DX600342 Component

Diesel Engine Fluid

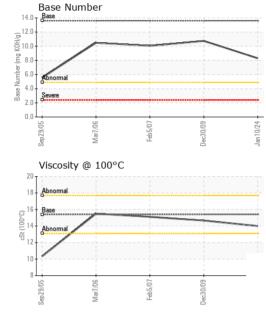
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (20 QTS)

DIAGNOSIS	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		JR0200324	JRMC255671	JRMC013901
Resample at the next service interval to monitor.	Sample Date		Client Info		10 Jan 2024	30 Dec 2009	05 Feb 2007
Wear	Machine Age	hrs	Client Info		6932	4239	1669
All component wear rates are normal.	Oil Age	hrs	Client Info		0	300	500
Contamination	Oil Changed		Client Info		Changed	Changed	Changed
There is no indication of any contamination in the oil.	Sample Status				NORMAL	NORMAL	NORMAL
Fluid Condition	CONTAMINATIO	N	method	limit/base	current	history1	history2
The BN result indicates that there is suitable	Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
Ikalinity remaining in the oil. The condition of the	Water		WC Method	>0.21	NEG	NEG	NEG
il is suitable for further service.	Glycol		WC Method		NEG	NEG	NEG
	WEAR METALS		method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>51	40	13	10
	Chromium	ppm	ASTM D5185m	>11	2	<1	<1
	Nickel	ppm	ASTM D5185m	>5	3	0	<1
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>31	5	4	2
	Lead	ppm	ASTM D5185m	>26	2	0	0
	Copper	ppm	ASTM D5185m	>26	<1	<1	3
	Tin	ppm	ASTM D5185m		<1	<1	0
	Antimony	ppm	ASTM D5185m			<1	0
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		205	223	97
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		193	66	81
	Manganese	ppm	ASTM D5185m		<1	0	3
	Magnesium	ppm	ASTM D5185m		691	352	50
	Calcium	ppm	ASTM D5185m		1499	2002	2959
	Phosphorus	ppm	ASTM D5185m		858	1070	1056
	Zinc	ppm	ASTM D5185m		1074	1258	1212
	o. #						
	Sulfur	ppm	ASTM D5185m		3044	4257	4393
	CONTAMINANTS		ASTM D5185m method	limit/base		4257 history1	4393 history2
	CONTAMINANTS	· · ·	method	>22	current	history1	history2
	CONTAMINANTS Silicon	ppm	method ASTM D5185m	>22 >31	current 6	history1 5	history2 0
	CONTAMINANTS Silicon Sodium	ppm ppm	method ASTM D5185m ASTM D5185m	>22 >31	current 6 0 0	history1 5 13	history2 0 2
	CONTAMINANTS Silicon Sodium Potassium	ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	>22 >31 >20 limit/base	current 6 0 0	history1 5 13 2	history2 0 2 1
	CONTAMINANTS Silicon Sodium Potassium INFRA-RED	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method	>22 >31 >20 limit/base >3	current 6 0 0 current	history1 5 13 2 history1	history2 0 2 1 history2
	CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844	>22 >31 >20 limit/base >3 >20	current 6 0 0 current 0.8	history1 5 13 2 history1 0.3	history2 0 2 1 history2 0.1
	CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm % Abs/cm Abs/.1mm	method ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624	>22 >31 >20 limit/base >3 >20	current 6 0 0 current 0.8 8.3 21.5	history1 5 13 2 history1 0.3 5.	history2 0 2 1 history2 0.1 4.
	CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm % Abs/cm Abs/.1mm	method ASTM D5185m ASTM D5185m ASTM D5185m Method *ASTM D7844 *ASTM D7624 *ASTM D7415	>22 >31 >20 limit/base >3 >20 >30 limit/base	current 6 0 0 current 0.8 8.3 21.5	history1 5 13 2 history1 0.3 5. 17.	history2 0 2 1 history2 0.1 4. 15.

Contact/Location: DAVID ZIEG - JAMASH



OIL ANALYSIS REPORT



scalar scalar scalar scalar scalar scalar scalar scalar scalar scalar	method *Visual ASTM D445	limit/base NONE NONE NONE NONE NORML NORML >0.21 limit/base 15.4	current NONE NONE NONE NONE NORML NORML NEG NEG Current 14.0	history1 NONE NONE NONE NONE NORML NORML NEG NEG history1 14.66	history2 NONE NONE NONE NONE NORML NORML NEG NEG history2 15.11
scalar scalar scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE NORML >0.21 limit/base	NONE NONE NONE NONE NORML NORML NEG NEG	NONE NONE NONE NONE NORML NORML NEG NEG history1	NONE NONE NONE NONE NORML NORML NEG NEG history2
scalar scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NORML NORML >0.21 limit/base	NONE NONE NONE NORML NORML NEG NEG	NONE NONE NONE NORML NORML NEG NEG history1	NONE NONE NONE NORML NORML NEG NEG history2
scalar scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual method	NONE NONE NORML NORML >0.21 limit/base	NONE NONE NORML NORML NEG NEG	NONE NONE NORML NORML NEG NEG history1	NONE NONE NORML NORML NEG NEG history2
scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual method	NONE NORML NORML >0.21 limit/base	NONE NORML NORML NEG NEG Current	NONE NORML NORML NEG NEG history1	NONE NORML NORML NEG NEG history2
scalar scalar scalar scalar scalar scalar ES	*Visual *Visual *Visual *Visual *Visual method	NONE NORML NORML >0.21 limit/base	NONE NORML NORML NEG NEG current	NONE NORML NORML NEG NEG history1	NONE NORML NORML NEG NEG history2
scalar scalar scalar scalar ES	*Visual *Visual *Visual *Visual method	NORML NORML >0.21 limit/base	NORML NORML NEG NEG current	NORML NORML NEG NEG history1	NORML NORML NEG NEG history2
scalar scalar scalar ES	*Visual *Visual *Visual method	NORML >0.21 limit/base	NORML NEG NEG current	NORML NEG NEG history1	NORML NEG NEG history2
scalar scalar ES	*Visual *Visual method	>0.21 limit/base	NEG NEG current	NEG NEG history1	NEG NEG history2
scalar ES	*Visual method	limit/base	NEG current	NEG history1	NEG history2
ES	method		current	history1	history2
cSt	ASTM D445	15.4	14.0	14.66	15.11
		/			
Feb5/07	Decido09	Jan 10/24			
	Feb5/07	Feb5/07	Feb5/07 Dec30/09 Jan 10/24	Feb5/07 Dec30/09	Feb5/07 Dec30/09 Jan 10/24

Base Number

Mar7/06

14.0 Base

12.0

10.0

8.0 umber (

6.0 Base N 4.0 2.0

0.0

Sep29/05 -

Jan10/24 -

: 11 Jan 2024

: 12 Jan 2024

Dec30/09

(B/HOX Bur).



Unique Number : 10829312 Diagnostician : Wes Davis Test Package : CONST (Additional Tests: TBN) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. dzieg@jamesriverequipment.com * - 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)

Feb5/07

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

Recieved

Diagnosed

Report Id: JAMASH [WUSCAR] 06057930 (Generated: 01/12/2024 06:55:56) Rev: 1

Laboratory Sample No.

Lab Number

Sep 29

19

18

17

16

10

9 Sep29/05.

Bas

Abn

: JR0200324

: 06057930

Viscosity @ 100°C

Mar7/06

Contact/Location: DAVID ZIEG - JAMASH

Feb5/07.

Jan 10/24

Dec30/09

11047 LEADBETTER RD

Contact: DAVID ZIEG

T: (804)798-6001

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JRE - ASHLAND

ASHLAND, VA

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