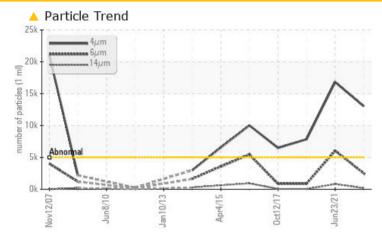


JOHN DEERE 000993

Hydraulic System Fluid TDH FLUID SAE 75W80 (68 GAL)

COMPONENT CONDITION SUMMARY



Oil Cleanliness

RECOMMENDATION

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

PROBLEMATIC TEST RESULTS Sample Status ABNORMAL NORMAL ABNORMAL Particles >4µm ASTM D7647 >5000 13032 **16819** 7851 · 🔺 Particles >6µm ASTM D7647 >1300 2505 ▲ 6050 863 ASTM D7647 >160 55 Particles >14µm 196 **A** 816 Particles >21µm ASTM D7647 >40 **6 3**07 15

ISO 4406 (c) >19/17/14 🔺 21/19/15 🔺 21/20/17

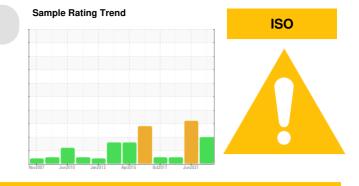
Customer Id: CJMHAM Sample No.: WC0823936 Lab Number: 05997328 Test Package: CONST



To manage this report scan the QR code

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

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



20/17/13

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



23 Jun 2021 Diag: Angela Borella

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.Light concentration of visible metal present. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



view report

12 Sep 2018 Diag: Don Baldridge



Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

12 Oct 2017 Diag: Don Baldridge





Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend

ISO

JOHN DEERE 000993

Hydraulic System Fluid TDH FLUID SAE 75W80 (68 GAL)

DIAGNOSIS

A Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

		Nov2007	Jun2010 Jan2013	Apr2015 Oct2017 J	un2021	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0823936	WC0583974	WCMC170781
Sample Date		Client Info		20 Oct 2023	23 Jun 2021	12 Sep 2018
Machine Age	hrs	Client Info		7723	7469	7024
Oil Age	hrs	Client Info		1000	500	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	10	7	2
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	<1	0
Aluminum	ppm	ASTM D5185m	>10	<1	<1	<1
Lead	ppm	ASTM D5185m	>10	<1	1	0
Copper	ppm	ASTM D5185m	>75	5	2	<1
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	10	6	12	2
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	10	2	2	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	100	20	16	<1
Calcium	ppm	ASTM D5185m	3500	1780	1883	134
Phosphorus	ppm	ASTM D5185m	1150	720	809	508
Zinc	ppm	ASTM D5185m	1150	849	842	226
Sulfur	ppm	ASTM D5185m	5000	4930	4380	225
				4930	4300	695
CONTAMINANTS		method	limit/base	current	4360 history1	695 history2
	ppm	method ASTM D5185m	limit/base			
Silicon			limit/base	current	history1	history2
Silicon Sodium	ppm	ASTM D5185m	limit/base >20	current 3	history1 3	<mark>history2</mark> <1
Silicon Sodium	ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base >20	current 3 0	history1 3 2	<mark>history2</mark> <1 <1
Silicon Sodium Potassium FLUID CLEANLIN	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >20 >20	current 3 0 2	history1 3 2 <1	history2 <1 <1 1
Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method	limit/base >20 >20 limit/base	current 3 0 2 current	history1 3 2 <1 history1	history2 <1 <1 1 history2
Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647	limit/base >20 >20 limit/base >5000	current 3 0 2 current 13032	history1 3 2 <1 history1 ▲ 16819	history2 <1 <1 1 history2 7851
Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ASTM D7647	limit/base >20 >20 limit/base >5000 >1300 >160	current 3 0 2 current ▲ 13032 ▲ 2505	history1 3 2 <1 history1 ▲ 16819 ▲ 6050	history2 <1 <1 1 history2 7851 863
Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20 >20 limit/base >5000 >1300 >160	current 3 0 2 current ▲ 13032 ▲ 2505 ▲ 196	history1 3 2 <1 history1 ▲ 16819 ▲ 6050 ▲ 816	history2 <1 <1 1 history2 7851 863 55
Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20 >20 limit/base >5000 >1300 >160 >40 >10	current 3 0 2 current 13032 2505 196 56	history1 3 2 <1 history1 ▲ 16819 ▲ 6050 ▲ 816 ▲ 307	history2 <1 <1 1 history2 7851 863 55 55 15
Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20 >20 limit/base >5000 >1300 >160 >40 >10	current 3 0 2 current 13032 2505 196 56 2	history1 3 2 <1 history1 ▲ 16819 ▲ 6050 ▲ 816 ▲ 307 ▲ 26	history2 <1
Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm ESS	ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20 >20 limit/base >5000 >1300 >160 >40 >10 >3	current 3 0 2 current ▲ 13032 ▲ 2505 ▲ 196 ▲ 56 2 0 0 0 0 0 0 0 0	history1 3 2 <1	history2 <1



Nov12/07

Al 3.5

4 0

Acid Number (mg KOH/g) 7.5 1.5 1.0 1.0 B

0.5

0.0

58 56

54

46

44 Abno

42

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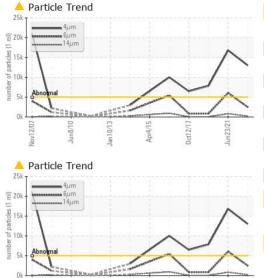
Nov12/07

Base

Nov12/07

Acid Number

OIL ANALYSIS REPORT

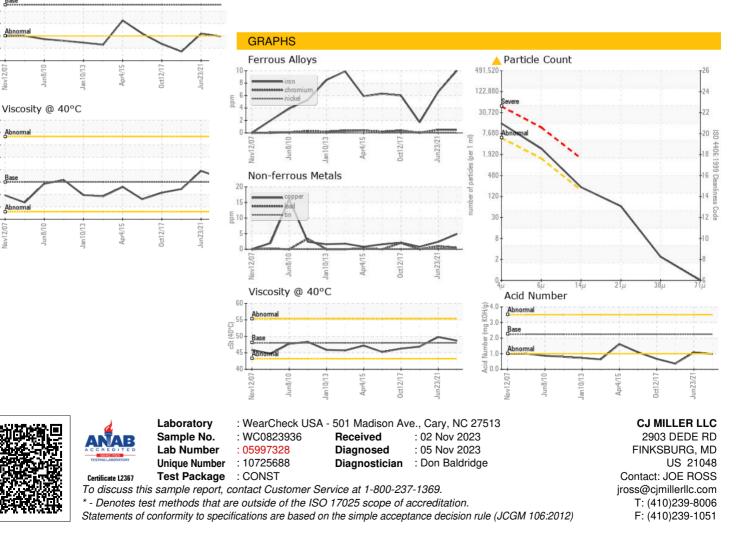


lan10/13

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	🔺 LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	48	48.7	49.8	46.88
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						

Bottom

Jun23/21



Submitted By: JOE ROSS

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