

PROBLEM SUMMARY

Area HYDRAULIC OIL RESERVOIR BOTTOM DRAIN VALVE

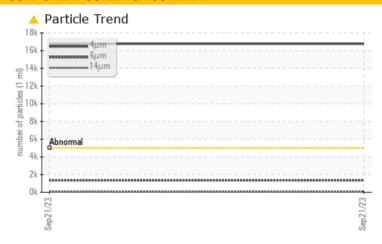
Component **Hydraulic System**

JOHN DEERE HY-GARD HYD/TRANS (150 GAL)

JOHN DEERE CP904 MY23

Sample Rating Trend ISO Septicia

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: New machine sitting for at least one day ready to ship.. Did not have filter during ride & drive. Collected out of bottom of hyd reservoir drain valve by removing N410204 drain hose and hose clamp.)

PROBLEMATIC TEST RESULTS								
Sample Status			ABNORMAL					
Particles >4µm	ASTM D7647	>5000	16776					
Particles >6µm	ASTM D7647	>1300	1355					
Oil Cleanliness	ISO 4406 (c)	>19/17/14	21/18/13					

Customer Id: JOHJOHUS Sample No.: WC0818509 Lab Number: 05966190 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

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



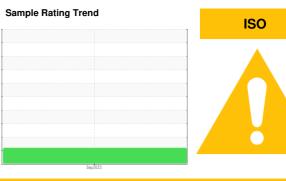
OIL ANALYSIS REPORT

HYDRAULIC OIL RESERVOIR BOTTOM DRAIN VALVE Machine Id JOHN DEERE CP904 MY23

Component

Hydraulic System

JOHN DEERE HY-GARD HYD/TRANS (150 GAL)



DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: New machine sitting for at least one day ready to ship.. Did not have filter during ride & drive. Collected out of bottom of hyd reservoir drain valve by removing N410204 drain hose and hose clamp.)

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

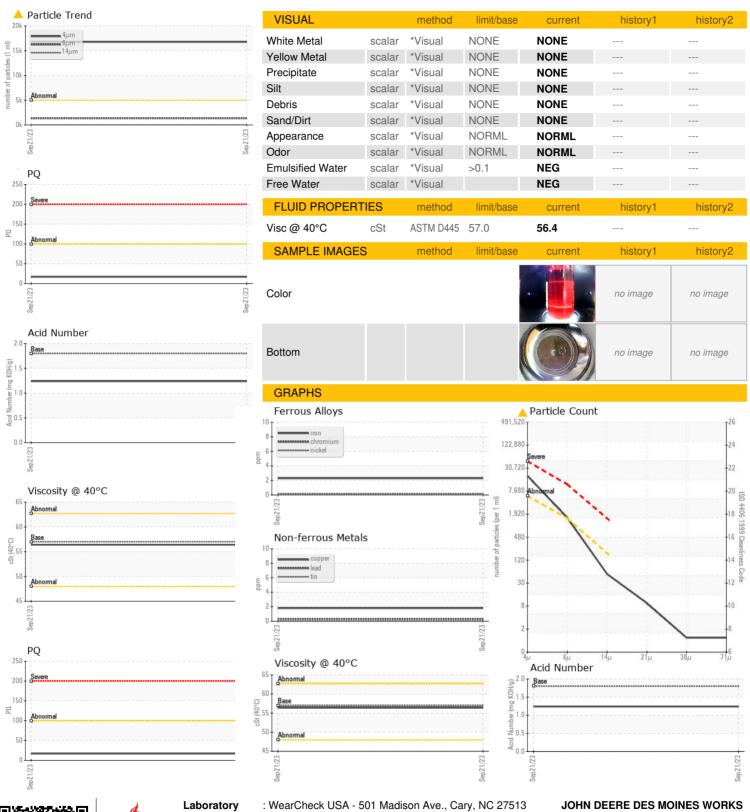
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

GAL)						
SAMPLE INFORM	ΙΔΤΙΩΝ	method	limit/base	current	history1	history2
	<i>I</i> /(1101)		IIIIIIIIIIII	WC0818509		HISTOTYZ
Sample Number Sample Date		Client Info		21 Sep 2023		
Machine Age	hrs	Client Info		21 Sep 2023		
Oil Age	hrs	Client Info		2		
Oil Changed	1110	Client Info		Changed		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		17		
Iron	ppm	ASTM D5185m	>20	2		
Chromium	ppm	ASTM D5185m	>10	- <1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>75	2		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	0		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	0	<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	145	107		
Calcium	ppm	ASTM D5185m	3570	3409		
Phosphorus	ppm	ASTM D5185m	1290	1049		
Zinc	ppm	ASTM D5185m	1640	1292		
Sulfur	ppm	ASTM D5185m		3814		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	10		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>		
Particles >6μm		ASTM D7647	>1300	<u> </u>		
Particles >14μm		ASTM D7647	>160	46		
Particles >21µm		ASTM D7647	>40	8		
Particles >38µm		ASTM D7647	>10	1		
Particles >71μm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>21/18/13</u>		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	1.24		



OIL ANALYSIS REPORT







Certificate L2367

Sample No. Lab Number **Unique Number**

: WC0818509 : 05966190 : 10672741

Received : 02 Oct 2023

Diagnosed : 03 Oct 2023 Diagnostician : Don Baldridge

Test Package : CONST (Additional Tests: PQ, PrtCount)

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.

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

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F: