

### **PROBLEM SUMMARY**

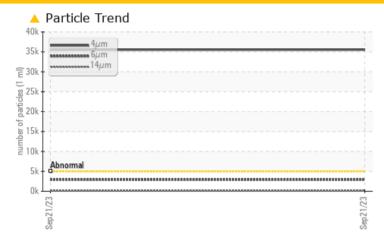
# HYDRAULIC OIL RESERVOIR BOTTOM DRAIN VALVE JOHN DEERE CP898 MY23

Component **Hydraulic System** 

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

# Sample Rating Trend ISO Septi223

### **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	<b>4</b> 35541						
Particles >6µm	ASTM D7647	>1300	<b>2904</b>						
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>22/19/14</b>						

Customer Id: JOHJOHUS Sample No.: WC0818508 Lab Number: 05966188 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

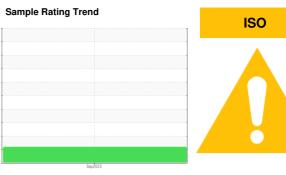


### **OIL ANALYSIS REPORT**

# HYDRAULIC OIL RESERVOIR BOTTOM DRAIN VALVE **JOHN DEERE CP898 MY23**

**Hydraulic System** 

**JOHN DEERE HY-GARD HYD/TRANS (150** 



### **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)						
		<u>-</u>		Sep2023	<u>,</u>	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0818508		
Sample Date		Client Info		21 Sep 2023		
Machine Age	hrs	Client Info		2		
Oil Age	hrs	Client Info		2		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		21		
Iron	ppm	ASTM D5185m	>20	2		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m		<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	5		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m	>10	0		
Cadmium	ppm	ASTM D5185m		0		
	ррш			-		
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	105		
Calcium	ppm	ASTM D5185m	3570	3376		
Phosphorus	ppm	ASTM D5185m	1290	1040		
Zinc	ppm	ASTM D5185m	1640	1266		
Sulfur	ppm	ASTM D5185m		3581		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	11		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u></u> 4 35541		
Particles >6μm		ASTM D7647	>1300	<b>2904</b>		
Particles >14µm		ASTM D7647	>160	106		
Particles >21µm		ASTM D7647	>40	15		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>22/19/14</b>		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	1.19		



### **OIL ANALYSIS REPORT**





Certificate L2367

Sample No. Lab Number **Unique Number** 

: 05966188 : 10672739

: WC0818508 Received Diagnosed

: 02 Oct 2023 : 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) 6595 NW 56TH ST JOHNSTON, IA US 50130

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