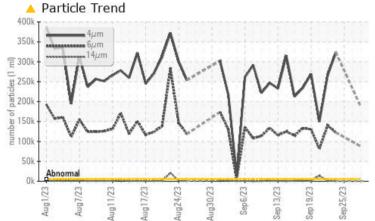


PROBLEM SUMMARY

Area WCLSNC Machine Id QC230801HY

Component Hydraulic System Fluid JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

EZ EZ 61 des PROBLEMATIC TEST RESULTS

THODELIN/THO TEOT			
Sample Status		ABNORMAL	
Particles >4µm	ASTM D7647 >5000	🔺 187434	
Particles >6µm	ASTM D7647 >1300	A 87717	
Particles >14µm	ASTM D7647 >160	A 312	
Oil Cleanliness	ISO 4406 (c) >19/17/14	- 🔺 25/24/15	

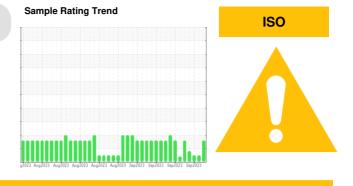
Customer Id: WEACARQA Sample No.: WC0855417 Lab Number: 05962215 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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



RECOMMENDED A	CTIONS			
Action	Status	Date	Done By	Description
Change Filter			?	We recommend you service the filters on this component.

26 Sep 2023 Diag:	
NKNOWN	view report 回线内部就回
25 Sep 2023 Diag:	
NKNOWN	view report
22 Sep 2023 Diag:	
EDIMENT	view report
$\mathbf{\Lambda}$	



OIL ANALYSIS REPORT

Sample Rating Trend

Area WCLSNC Machine Id QC230801HY

Component Hydraulic System Fluid

Fluid

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

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. 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 suitable for further service.

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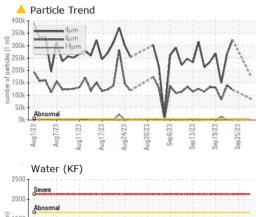
			11 11 11			
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0855417	WC0855416	WC0855415
Sample Date		Client Info		27 Sep 2023	26 Sep 2023	25 Sep 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>47	21	28	24
Iron	ppm	ASTM D5185m	>78	55	64	59
Chromium	ppm	ASTM D5185m	>2	<1	<1	<1
Nickel	ppm	ASTM D5185m		<1	1	2
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>5	2	0	▲ 3
Lead	ppm	ASTM D5185m		8	9	10
Copper	ppm	ASTM D5185m	>84	77	72	81
Tin	ppm	ASTM D5185m		2	3	2
Vanadium		ASTM D5185m	74	0	<1	0
Cadmium	ppm	ASTM D5185m		0	< 1	0
	ppm			U		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	105	113	119
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		16	17	16
Magnesium	ppm	ASTM D5185m	145	24	23	24
Calcium	ppm	ASTM D5185m	3570	3533	3416	3690
Phosphorus	ppm	ASTM D5185m	1290	1137	1088	1201
Zinc	ppm	ASTM D5185m	1640	1389	1355	1509
Sulfur	ppm	ASTM D5185m		3279	3683	4074
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>11	9	9	8
Sodium	ppm	ASTM D5185m	>23	20	17	16
Potassium	ppm	ASTM D5185m	>20	<1	0	3
Water	%	ASTM D6304		0.066	0.062	0.063
ppm Water	ppm	ASTM D6304		666.3	629.4	639.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	187434		
Particles >6µm		ASTM D7647		A 87717		
Particles >14µm		ASTM D7647	>160	▲ 312		
Particles >21µm		ASTM D7647		4		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647 ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>3 >19/17/14	o <u> 25/24/15</u>		
		()				
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	0.96	0.77	1.15
1.51.17) Boy: 1						Submitted By:

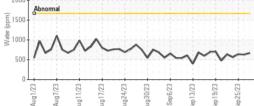


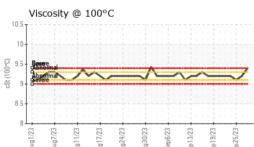
OIL ANALYSIS REPORT

Color

Bottom

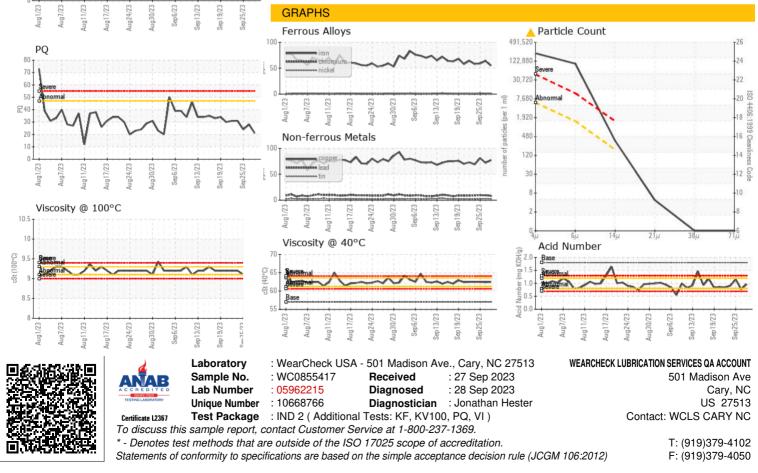






Yellow Metal sc Precipitate sc	calar calar	*Visual *Visual *Visual	NONE	NONE	NONE	NONE
Precipitate sc	calar		-	NONE		
		*Visual	NONE	NONE	NONE	NONE
Silt sc	1		NONE	NONE	NONE	NONE
	calar	*Visual	NONE	MODER	🔺 MODER	A MODER
Debris sc	calar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt sc	calar	*Visual	NONE	NONE	NONE	NONE
Appearance sc	calar	*Visual	NORML	NORML	NORML	NORML
Odor sc	calar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water sc	calar	*Visual	>0.1669	NEG	NEG	NEG
Free Water sc	calar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES	S	method	limit/base	current	history1	history2
Visc @ 40°C cS	St	ASTM D445	57.0	62.5	62.4	62.5
Visc @ 100°C cS	St	ASTM D445	9.4	9.4	9.2	9.1
Viscosity Index (VI) So	cale	ASTM D2270	147	130	125	1 22
SAMPLE IMAGES		method	limit/base	current	history1	history2





Report Id: WEACARQA [WUSCAR] 05962215 (Generated: 09/28/2023 14:54:17) Rev: 1

Submitted By: ?

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