



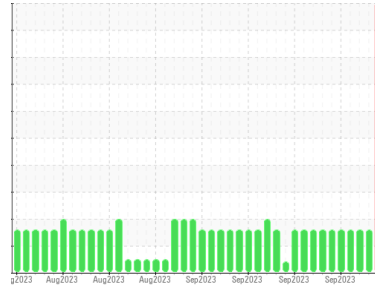
PROBLEM SUMMARY

Sample Rating Trend

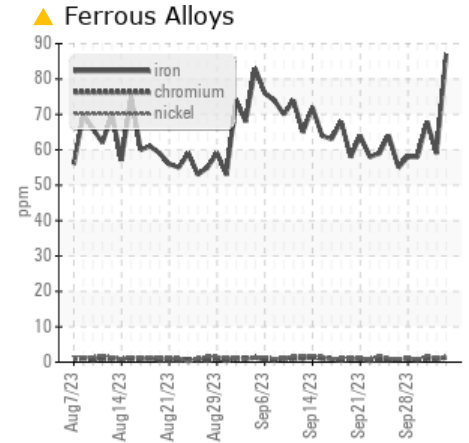
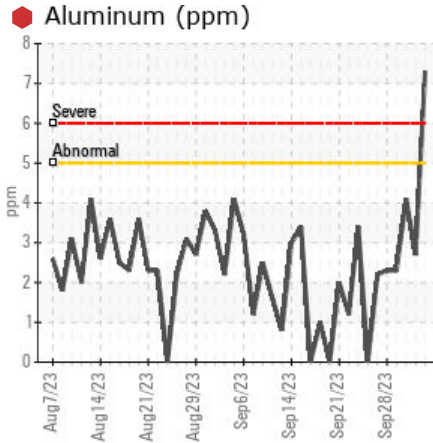
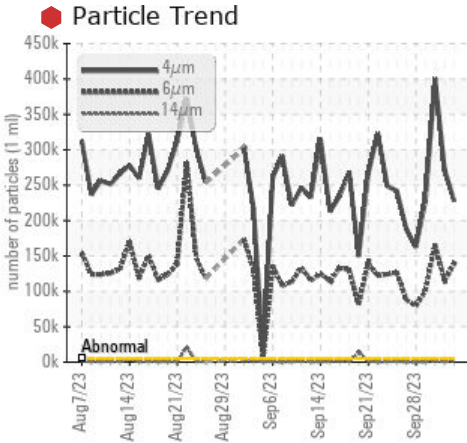
WEAR



Area
WCLSNC
Machine Id
QC230801HY
Component
Hydraulic System
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>78	▲ 87	59	68
Aluminum	ppm	ASTM D5185m	>5	● 7	3	4
Manganese	ppm	ASTM D5185m		▲ 21	17	18
Particles >4µm		ASTM D7647	>5000	● 227598	▲ 271801	▲ 400622
Particles >6µm		ASTM D7647	>1300	● 138880	▲ 115185	▲ 165733
Particles >14µm		ASTM D7647	>160	● 2169	▲ 480	▲ 1512
Particles >21µm		ASTM D7647	>40	▲ 59	8	161
Oil Cleanliness		ISO 4406 (c)	>19/17/14	● 25/24/18	▲ 25/24/16	▲ 26/25/18
Viscosity Index (VI)	Scale	ASTM D2270	147	▲ 123	127	125

Customer Id: WEACARQA
Sample No.: WC0865951
Lab Number: 05968954
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
System Automation +1 905-569-8600 x230
Kevin.Marson@wearcheck.com

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

03 Oct 2023 Diag: Jonathan Hester

ISO



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

view report



02 Oct 2023 Diag: Jonathan Hester

ISO



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

view report



29 Sep 2023 Diag: Jonathan Hester

ISO

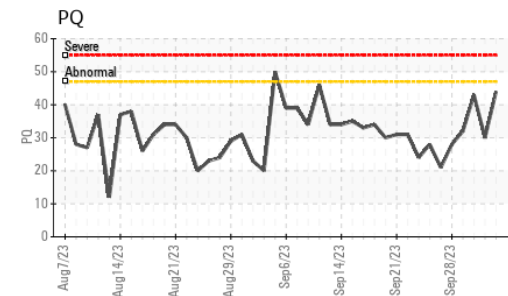
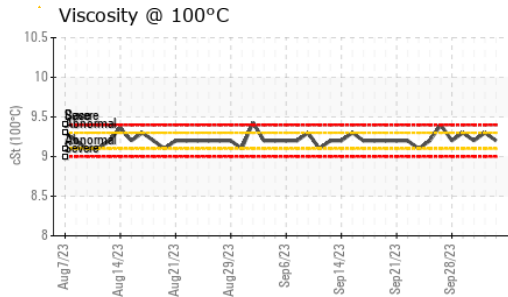
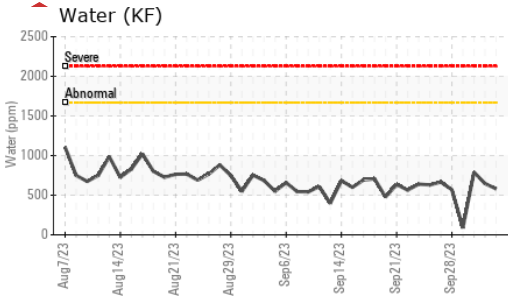
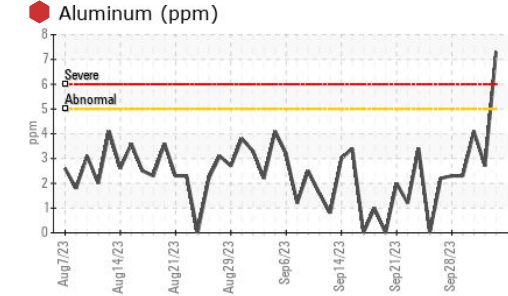
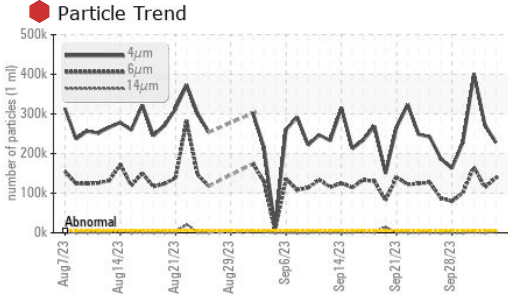


We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



OIL ANALYSIS REPORT

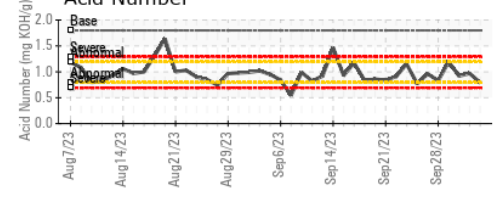
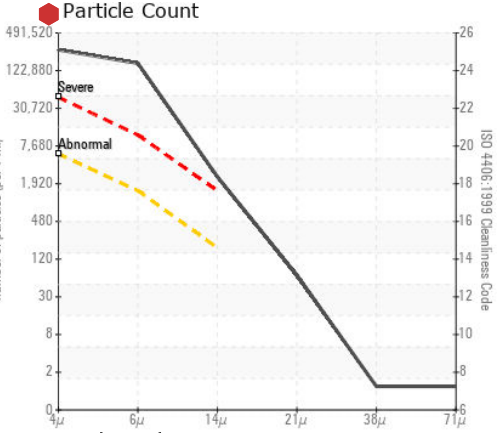
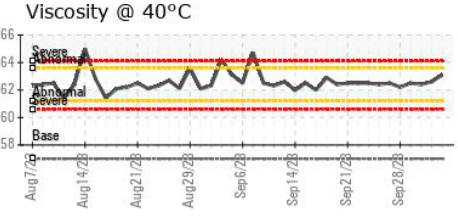
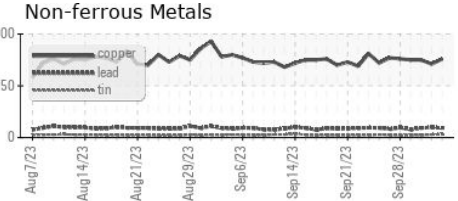
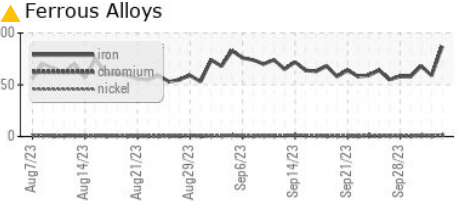


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	MODER	MODER
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1669	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.0	63.1	62.6
Visc @ 100°C	cSt	ASTM D445	9.4	9.2	9.3
Viscosity Index (VI)	Scale	ASTM D2270	147	123	127

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0865951 **Received** : 04 Oct 2023
Lab Number : 05968954 **Diagnosed** : 04 Dec 2023
Unique Number : 10675505 **Diagnostician** : System
Test Package : IND 2 (Additional Tests: KF, KV100, PQ, VI)

WEARCHECK LUBRICATION SERVICES QA ACCOUNT
 501 Madison Ave
 Cary, NC
 US 27513
 Contact: WCLS CARY NC

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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