

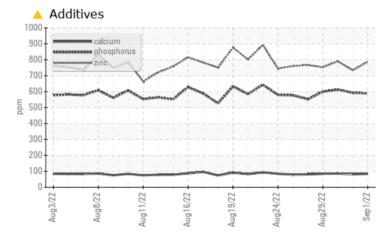
PROBLEM SUMMARY

Area WCLSNC Machine Id QC HY NC 08012022 Component

Hydraulic System

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

PROBLEMATIC TEST RESULTS								
Sample Status			ATTENTION	NORMAL	NORMAL			
Magnesium	ppm	ASTM D5185m	<u> </u>	0	<1			
Calcium	ppm	ASTM D5185m	<u> </u>	81	86			
Phosphorus	ppm	ASTM D5185m	<u> </u>	593	613			
Zinc	ppm	ASTM D5185m	<u> </u>	734	791			
Sulfur	ppm	ASTM D5185m	<u> </u>	1484	1659			

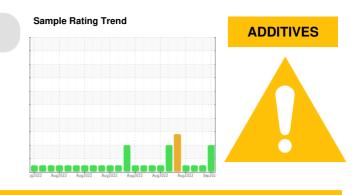
Customer Id: WEACARQA Sample No.: WC0739993 Lab Number: 05632334 Test Package: PLANT



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 <u>customerservice@wearcheck.com</u>



RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

31 Aug 2022 Diag: Angela Borella



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



30 Aug 2022 Diag: Angela Borella



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29 Aug 2022 Diag: Angela Borella

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



view report

NORMAL



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.





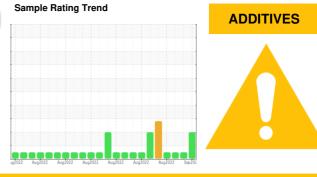
OIL ANALYSIS REPORT

Area WCLSNC Machine Id QC HY NC 08012022

Hydraulic System

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

DIAGNOSIS



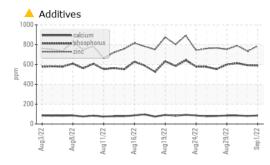
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0739993	WC0727776	WC0727775
Sample Date		Client Info		01 Sep 2022	31 Aug 2022	30 Aug 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		15	11	15
Iron	ppm	ASTM D5185m		11	11	11
Chromium	ppm	ASTM D5185m		<1	<1	<1
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	1
Aluminum	ppm	ASTM D5185m		1	<1	<1
Lead	ppm	ASTM D5185m		<1	0	0
Copper	ppm	ASTM D5185m		7	8	8
Tin	ppm	ASTM D5185m		<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	0	0
Barium	ppm	ASTM D5185m		0	<1	2
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<u> </u>	0	<1
Calcium	ppm	ASTM D5185m		<mark> 8</mark> 5	81	86
Phosphorus	ppm	ASTM D5185m		6 589	593	613
Zinc	ppm	ASTM D5185m		<u> </u>	734	791
Sulfur	ppm	ASTM D5185m		1 533	1484	1659
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		2	1	2
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m		3	0	0
Water	%	ASTM D6304		0.013	0.007	0.013
ppm Water	ppm	ASTM D6304		130.3	73.0	137.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		901	956	936
Particles >6µm		ASTM D7647		55	88	75
Particles >14µm		ASTM D7647		5	10	15
Particles >21µm		ASTM D7647		2	2	6
Particles >38µm		ASTM D7647		1	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)		17/13/10	17/14/10	17/13/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.66	0.61	0.64
1:05:28) Rev: 1		/10 HW D0040		0.00	0.01	Submitted By:

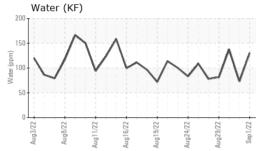


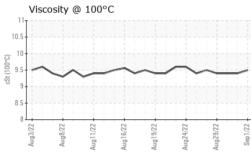
OIL ANALYSIS REPORT

Color

Bottom







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	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	NONE	NONE
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		NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		54.5	56.6	56.9
Visc @ 100°C	cSt	ASTM D445		9.5	9.4	9.4
Viscosity Index (VI)	Scale	ASTM D2270		159	148	147
SAMPLE IMAGES		method	limit/base	current	history1	history2

