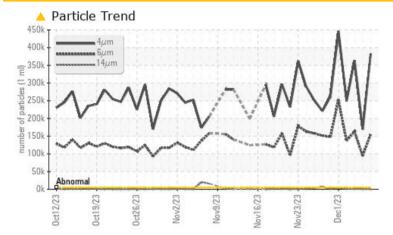


Area WCLSNC Machine Id QC230801HY

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.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL		
Particles >4µm		ASTM D7647	>5000	<u> </u>	▲ 169208	▲ 363277		
Particles >6µm		ASTM D7647	>1300	🔺 155519	4 94351	🔺 162675		
Particles >14µm		ASTM D7647	>160	<u> </u>	A 810	▲ 1002		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>	🔺 25/24/17	🔺 26/25/17		
Silt	scalar	*Visual	NONE	A MODER	MODER	▲ MODER		

Customer Id: WEACARQA Sample No.: WC0886472 Lab Number: 06027711 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 customerservice@wearcheck.com



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

HISTORICAL DIAGNOSIS



06 Dec 2023 Diag: Jonathan Hester

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

05 Dec 2023 Diag: Jonathan Hester

SEDIMENT



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.

04 Dec 2023 Diag: Jonathan Hester

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.







OIL ANALYSIS REPORT

Sample Rating Trend

SEDIMENT

2023 0x2023 0x2023 Nev2023 Nev2023 Nev2023 Nev2023 Nev2023 Nev2023 Nev2023 Nev2023

Sample Number Client Info WC0886472 WC086472 WC086472 WC086472 WC086472 WC086472 WC086472 WC086472 WC086472 WC08647 W	,		t2023 Oct20	23 Oct2023 Nov2023	Nov2023 Nov2023 Nov2023	Dec2023	
Sample Date Client Info 07 Dec 2023 06 Dec 2023 05 Dec 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 ABNORMAL ABNORMAL Sample Status Image Client Info N/A N/A ABNORMAL ABNORMAL ABNORMAL WEAR METALS method Imit/base current history1 history1 PQ ASTM D5185m >2 <1 <1 <1 Tron ppm ASTM D5185m >2 <1 0 <1 Nickel ppm ASTM D5185m >2 <1 0 <1 Aluminum ppm ASTM D5185m >2 <1 0 <1 Aluminum ppm ASTM D5185m >2 2 2 2 Lead ppm ASTM D5185m 84 74 74	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
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 N/A Sample Status Imethod Imit/base current history1 history1 PQ ASTM D5185m >78 66 59 57 Chromium ppm ASTM D5185m >2 <1	Sample Number		Client Info		WC0886472	WC0886471	WC0886470
Oil Age hrs Client Info 0 0 0 Oil Changed Client Info NA NA NA NA Sample Status Imitbase current history1 ABNORMAL ABNORMAL WEAR METALS method limitbase current history1 history1 PQ ASTM D5185m >78 66 59 57 Chromium ppm ASTM D5185m >2 <1	Sample Date		Client Info		07 Dec 2023	06 Dec 2023	05 Dec 202
Oil Changed Client Info N/A N/A N/A N/A Sample Status method limit/base current Bistory1 ABNORMAL ABNORMAL WEAR METALS method limit/base current bistory1 history1 PQ ASTM D5185 >73 16 33 12 Iron ppm ASTM D5185 >2 <1 <1 <1 Nickel ppm ASTM D5185 >2 <1 0 0 0 Silver ppm ASTM D5185 >2 <1 0 0 0 Aduminum ppm ASTM D5185 >2 <1 0 0 0 Adaminum ppm ASTM D5185 >4 74 74 72 7 Tin ppm ASTM D5185 84 74 74 72 2 Barium ppm ASTM D5185 6 102 96 94 Barium ppm	Machine Age	hrs	Client Info		0	0	0
Sample Status method limit/base current history1 history1 PQ ASTM D8184 >47 16 33 12 Iron ppm ASTM D6185m >78 66 59 57 Chromium ppm ASTM D6185m >2 <1	Oil Age	hrs	Client Info		0	0	0
WEAR METALS method limit/base current history1 history1 PQ ASTM D8184 >47 16 33 12 Iron ppm ASTM D5185m >78 66 59 57 Chromium ppm ASTM D5185m >2 <1	Oil Changed		Client Info		N/A	N/A	N/A
PQ ASTM D8184 >477 16 33 12 Iron ppm ASTM D5185m >78 66 59 57 Chromium ppm ASTM D5185m >2 <1 <1 <1 Nickel ppm ASTM D5185m >2 <1 0 0 0 Silver ppm ASTM D5185m >2 <1 0 0 0 Aluminum ppm ASTM D5185m >2 <1 0 0 <1 Auminum ppm ASTM D5185m >4 2 2 2 2 Lead ppm ASTM D5185m >4 2 2 2 2 Vanadium ppm ASTM D5185m 0 0 0 0 0 0 Copper ppm ASTM D5185m 0 0 0 0 0 0 Copper ppm ASTM D5185m 0 0 0 0 0	Sample Status				ABNORMAL	ABNORMAL	ABNORMA
Iron ppm ASTM D5185m >78 66 59 57 Chromium ppm ASTM D5185m >2 <1	WEAR METALS		method	limit/base	current	history1	history2
Chromium ppm ASTM D5185m >2 <1 <1 <1 Nickel ppm ASTM D5185m >3 1 1 1 Titanium ppm ASTM D5185m >2 <1	PQ		ASTM D8184	>47	16	33	12
Nickel ppm ASTM D5185m >3 1 1 1 Titanium ppm ASTM D5185m >2 <1	Iron	ppm	ASTM D5185m	>78	66	59	57
Titanium ppm ASTM D5185m >2 <1 0 0 Silver ppm ASTM D5185m >2 <1	Chromium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver ppm ASTM D5185m >2 <1 0 <1 Aluminum ppm ASTM D5185m >5 2 2 2 Lead ppm ASTM D5185m >11 8 8 8 Copper ppm ASTM D5185m >44 2 2 2 Vanadium ppm ASTM D5185m >4 2 2 2 Vanadium ppm ASTM D5185m >4 2 2 2 Vanadium ppm ASTM D5185m 0 0 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 6 102 96 94 Barium ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 145 20 3285 3302 3262 Phosphorus ppm ASTM D5185m 140<	Nickel	ppm	ASTM D5185m	>3	1	1	1
Atuminum ppm ASTM D5185m >5 2 2 2 Lead ppm ASTM D5185m >11 8 8 8 Copper ppm ASTM D5185m >84 74 74 72 Tin ppm ASTM D5185m >4 2 2 2 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 6 102 96 94 Barium ppm ASTM D5185m 0 0 0 0 Magnese ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 150 1147 1087 1102 Zinc ppm ASTM D5185m 1290 1147 1087	Titanium	ppm	ASTM D5185m	>2	<1	0	0
Lead ppm ASTM D5185m >11 8 8 8 Copper ppm ASTM D5185m >84 74 74 72 Tin ppm ASTM D5185m >4 2 2 2 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 6 102 96 94 Barium ppm ASTM D5185m 0 0 0 0 Magnese ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 1290 1147 1087 1102 Zinc ppm ASTM D5185m 1290 1147 1087 1102 Zinc ppm ASTM D5185m 119 9 8	Silver	ppm	ASTM D5185m	>2	<1	0	<1
Copper ppm ASTM D5185m >84 74 74 72 Tin ppm ASTM D5185m >4 2 2 2 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 6 102 96 94 Barium ppm ASTM D5185m 0 0 0 0 0 Magnesse ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 159 3302 3262 3103 3168 Sulfur ppm ASTM D5185m 16	Aluminum	ppm	ASTM D5185m	>5	2	2	2
Copper ppm ASTM D5185m >84 74 74 72 Tin ppm ASTM D5185m >4 2 2 2 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 6 102 96 94 Barium ppm ASTM D5185m 0 0 0 0 0 Magnesse ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 159 3302 3262 3103 3168 Sulfur ppm ASTM D5185m 16	Lead		ASTM D5185m	>11	8	8	8
Tin ppm ASTM D5185m >4 2 2 2 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 6 102 96 94 Barium ppm ASTM D5185m 0 0 0 0 Maganese ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 1570 3285 1302 3262 Phosphorus ppm ASTM D5185m 1640 1355 1318 1332 Sulfur ppm ASTM D5185m 523 16 19 19 Potassum ppm ASTM D5185m >20 3			ASTM D5185m	>84	74	74	72
Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 6 102 96 94 Barium ppm ASTM D5185m 0 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 0 Magnesium ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 145 20 22 23 Sulfur ppm ASTM D5185m 1290 1147 1087 1102 Zinc ppm ASTM D5185m >21 9 8 3662 3103 3168 CONTAMINANTS method				>4	2	2	2
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 6 102 96 94 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 19 18 17 Magnesium ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 145 20 21 23 Calcium ppm ASTM D5185m 1290 1147 1087 1102 Zinc ppm ASTM D5185m 1290 1147 1087 1102 Sulfur ppm ASTM D5185m 1290 1147 1087 1102 Sulfur ppm ASTM D5185m 223 16 19 <							
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Barium ppm ASTM D5185m 0 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 3570 3285 3302 3262 Phosphorus ppm ASTM D5185m 1290 1147 1087 1102 Zinc ppm ASTM D5185m 1640 1355 1318 1332 Sulfur ppm ASTM D5185m 1640 1355 1318 1332 Sulfur ppm ASTM D5185m 11 9 9 8 Sodium ppm ASTM D5185m >20 3 0 0 Vater % ASTM D6304 >0.1669 0.080 0.054 0.632 FLUID CLEANLINESS method <td< td=""><td></td><td></td><td></td><td></td><th></th><td></td><td></td></td<>							
Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 3570 3285 3302 3262 Phosphorus ppm ASTM D5185m 1290 1147 1087 1102 Zinc ppm ASTM D5185m 1290 1147 1087 1102 Sulfur ppm ASTM D5185m 1640 1355 1318 1332 Sulfur ppm ASTM D5185m 1640 1355 1318 1332 Sulfur ppm ASTM D5185m >11 9 9 8 Sodium ppm ASTM D5185m >20 3 0 0 Vater % ASTM D6304 >1669 803 546 632 FLUID CLEANLINESS method limit/base <td></td> <td></td> <td></td> <td></td> <th>-</th> <td></td> <td></td>					-		
Manganese ppm ASTM D5185m 19 18 17 Magnesium ppm ASTM D5185m 145 20 22 23 Calcium ppm ASTM D5185m 3570 3285 3302 3262 Phosphorus ppm ASTM D5185m 1290 1147 1087 1102 Zinc ppm ASTM D5185m 1640 1355 1318 1332 Sulfur ppm ASTM D5185m 1640 1355 1318 1332 Sulfur ppm ASTM D5185m 1640 1355 1318 1332 Sulfur ppm ASTM D5185m >11 9 9 8 Sodium ppm ASTM D5185m >23 16 19 19 Potassium ppm ASTM D6304 >0.1669 0.080 0.054 0.063 ppm Water ppm ASTM D7647 >5000 382752 169208 363277 Particles >4µm ASTM D7647 >1300 155519 94351 162675 Particles >21µm ASTM D764					-		
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Phosphorus ppm ASTM D5185m 1290 1147 1087 1102 Zinc ppm ASTM D5185m 1640 1355 1318 1332 Sulfur ppm ASTM D5185m 1640 1355 3103 3168 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >11 9 9 8 Sodium ppm ASTM D5185m >23 16 19 19 Potassium ppm ASTM D5185m >20 3 0 0 Water % ASTM D5185m >20 3 0 0.063 ppm ASTM D5185m >20 3 0 0.063 ppm ASTM D5185m >20 3 0 0.063 ppm ASTM D5185m >20 3 0 0.054 0.063 ppm ASTM D6304 >1669 803 546 632	0	ppm					
Zinc ppm ASTM D5185m 1640 1355 1318 1332 Sulfur ppm ASTM D5185m 3562 3103 3168 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >11 9 9 8 Sodium ppm ASTM D5185m >23 16 19 19 Potassium ppm ASTM D5185m >20 3 0 0 Water % ASTM D6304 >0.1669 0.080 0.054 0.063 ppm Water ppm ASTM D6304 >1669 803 546 632 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >5000 382752 169208 363277 Particles >6µm ASTM D7647 >1300 155519 94351 162675 Particles >21µm ASTM D7647 300 1802	Calcium	ppm	ASTM D5185m		3285	3302	3262
Sulfur ppm ASTM D5185m 3562 3103 3168 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >11 9 9 8 Sodium ppm ASTM D5185m >23 16 19 19 Potassium ppm ASTM D5185m >20 3 0 0 Water % ASTM D5034 >0.1669 0.080 0.054 0.063 ppm Water ppm ASTM D6304 >1669 803 546 632 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >5000 382752 169208 363277 Particles >6µm ASTM D7647 >1300 155519 94351 162675 Particles >14µm ASTM D7647 >100 1002 24 30 Particles >21µm ASTM D7647 >10 0 1	Phosphorus	ppm	ASTM D5185m	1290	1147	1087	1102
CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >11 9 9 8 Sodium ppm ASTM D5185m >23 16 19 19 Potassium ppm ASTM D5185m >20 3 0 0 Water % ASTM D6304 >0.1669 0.080 0.054 0.063 ppm Water ppm ASTM D6304 >1669 803 546 632 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >5000 382752 169208 363277 Particles >6µm ASTM D7647 >1300 155519 94351 162675 Particles >4µm ASTM D7647 >160 549 810 1002 Particles >21µm ASTM D7647 >40 6 24 30 Particles >38µm ASTM D7647 3 0 0	Zinc	ppm	ASTM D5185m	1640	1355	1318	1332
Silicon ppm ASTM D5185m >11 9 9 8 Sodium ppm ASTM D5185m >23 16 19 19 Potassium ppm ASTM D5185m >20 3 0 0 Water % ASTM D6304 >0.1669 0.080 0.054 0.063 ppm Water ppm ASTM D6304 >1669 803 546 632 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >5000 ▲ 382752 ▲ 169208 ▲ 363277 Particles >6µm ASTM D7647 >1300 ▲ 155519 ▲ 94351 ▲ 162675 Particles >6µm ASTM D7647 >160 ▲ 549 & 810 1002 Particles >21µm ASTM D7647 >40 6 24 30 30 Particles >38µm ASTM D7647 >3 0 0 0 0 0 0 0 0 0 0 0	Sulfur	ppm	ASTM D5185m		3562	3103	3168
Sodium ppm ASTM D5185m >23 16 19 19 Potassium ppm ASTM D5185m >20 3 0 0 Water % ASTM D6304 >0.1669 0.080 0.054 0.063 ppm Water ppm ASTM D6304 >1669 803 546 632 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >5000 382752 169208 363277 Particles >6µm ASTM D7647 >1300 155519 94351 162675 Particles >6µm ASTM D7647 >160 549 810 1002 Particles >14µm ASTM D7647 >10 0 1 1 Particles >38µm ASTM D7647 >3 0 0 0 Particles >71µm ASTM D7647 >3 0 0 0 25/24/17 26/25/17 FLUID DEGRADATION method limit/base curr	CONTAMINANTS	6	method	limit/base	current	history1	history
Potassium ppm ASTM D5185m >20 3 0 0 Water % ASTM D6304 >0.1669 0.080 0.054 0.063 ppm Water ppm ASTM D6304 >1669 803 546 632 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >5000 382752 169208 363277 Particles >6µm ASTM D7647 >1300 155519 94351 162675 Particles >14µm ASTM D7647 >160 549 810 1002 Particles >21µm ASTM D7647 >10 0 1 1 Particles >38µm ASTM D7647 >30 0 0 0 Oil Cleanliness ISO 4406 (c) >19/17/14 26/24/16 25/24/17 26/25/17 FLUID DEGRADATION method limit/base current history1 history1	Silicon	ppm	ASTM D5185m	>11	9	9	8
Water % ASTM D6304 >0.1669 0.080 0.054 0.063 ppm Water ppm ASTM D6304 >1669 803 546 632 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >5000 ▲ 382752 ▲ 169208 ▲ 363277 Particles >6µm ASTM D7647 >1300 ▲ 155519 ▲ 94351 ▲ 162675 Particles >6µm ASTM D7647 >160 ▲ 549 ▲ 810 ▲ 1002 Particles >14µm ASTM D7647 >40 6 24 30 Particles >21µm ASTM D7647 >10 0 1 1 Particles >38µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >19/17/14 26/24/16 25/24/17 26/25/17 FLUID DEGRADATION method limit/base current history1 history1	Sodium	ppm	ASTM D5185m	>23	16	19	19
ppm Water ppm ASTM D6304 >1669 803 546 632 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >5000 382752 169208 363277 Particles >6µm ASTM D7647 >1300 155519 94351 162675 Particles >14µm ASTM D7647 >160 549 810 1002 Particles >21µm ASTM D7647 >40 6 24 30 Particles >38µm ASTM D7647 >10 0 1 1 Particles >71µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >19/17/14 26/24/16 25/24/17 26/25/17	Potassium	ppm	ASTM D5185m	>20	3	0	0
FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >5000 382752 ▲ 169208 ▲ 363277 Particles >6µm ASTM D7647 >1300 ▲ 155519 ▲ 94351 ▲ 162675 Particles >14µm ASTM D7647 >160 ▲ 549 ▲ 810 ▲ 1002 Particles >21µm ASTM D7647 >40 6 24 30 Particles >38µm ASTM D7647 >10 0 1 1 Particles >71µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >19/17/14 26/24/16 25/24/17 26/25/17	Water	%	ASTM D6304	>0.1669	0.080	0.054	0.063
Particles >4µm ASTM D7647 >5000 ▲ 382752 ▲ 169208 ▲ 363277 Particles >6µm ASTM D7647 >1300 ▲ 155519 ▲ 94351 ▲ 162675 Particles >14µm ASTM D7647 >160 ▲ 549 ▲ 810 ▲ 1002 Particles >21µm ASTM D7647 >40 6 24 30 Particles >38µm ASTM D7647 >10 0 1 1 Particles >71µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >19/17/14 26/24/16 25/24/17 26/25/17	ppm Water	ppm	ASTM D6304	>1669	803	546	632
Particles >6µm ASTM D7647 >1300 ▲ 155519 ▲ 94351 ▲ 162675 Particles >14µm ASTM D7647 >160 ▲ 549 ▲ 810 ▲ 1002 Particles >21µm ASTM D7647 >40 6 24 30 Particles >21µm ASTM D7647 >10 0 1 1 Particles >38µm ASTM D7647 >10 0 1 1 Particles >71µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >19/17/14 26/24/16 ▲ 25/24/17 ▲ 26/25/17 FLUID DEGRADATION method limit/base current history1 history1	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history
Particles >14μm ASTM D7647 >160 ▲ 549 ▲ 810 ▲ 1002 Particles >21μm ASTM D7647 >40 6 24 30 Particles >38μm ASTM D7647 >10 0 1 1 Particles >38μm ASTM D7647 >10 0 1 1 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >19/17/14 26/24/16 25/24/17 26/25/17 FLUID DEGRADATION method limit/base current history1 history1	Particles >4µm		ASTM D7647	>5000	A 382752	▲ 169208	
Particles >21μm ASTM D7647 >40 6 24 30 Particles >38μm ASTM D7647 >10 0 1 1 Particles >38μm ASTM D7647 >3 0 0 0 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >19/17/14 26/24/16 25/24/17 26/25/17 FLUID DEGRADATION method limit/base current history1 history1	Particles >6µm		ASTM D7647	>1300	<u> </u>	▲ 94351	▲ 162675
Particles >38μm ASTM D7647 >10 0 1 1 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >19/17/14 26/24/16 25/24/17 26/25/17 FLUID DEGRADATION method limit/base current history1 history2			ASTM D7647	>160	<u> </u>	<u> </u>	
Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >19/17/14 ▲ 26/24/16 ▲ 25/24/17 ▲ 26/25/17 FLUID DEGRADATION method limit/base current history1 history1	Particles >21µm		ASTM D7647	>40	6	24	30
Oil Cleanliness ISO 4406 (c) >19/17/14 26/24/16 25/24/17 26/25/17 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>10	0	1	1
FLUID DEGRADATION method limit/base current history1 history	Particles >71µm		ASTM D7647	>3	0	0	0
· · ·	Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 26/24/16	▲ 25/24/17	▲ 26/25/17
Acid Number (AN) mg KOH/g ASTM D8045 1.8 0.80 0.80 0.86	FLUID DEGRADA	ATION	method	limit/base	current	history1	history
	Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	0.80	0.80	0.86

Area WCLSNC Machine Id QC230801HY Component

Hydraulic System

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.

Report Id: WEACARQA [WUSCAR] 06027711 (Generated: 12/15/2023 07:12:46) Rev: 1

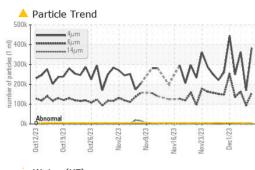
Submitted By: ?

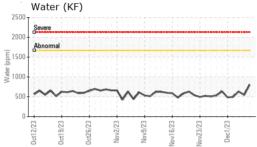


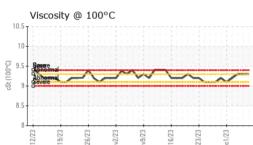
OIL ANALYSIS REPORT

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	A MODER	MODER	🔺 MODER
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	>0.1669	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	57.0	61.6	62.4	61.9
Visc @ 100°C	cSt	ASTM D445	9.4	9.3	9.3	9.3
Viscosity Index (VI)	Scale	ASTM D2270	147	130	128	129
SAMPLE IMAGES	6	method	limit/base	current	history1	history2



