

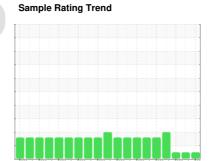
## **OIL ANALYSIS REPORT**

## **MCLSNC** QC230801HY

Component

Hydraulic System
Fluid

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



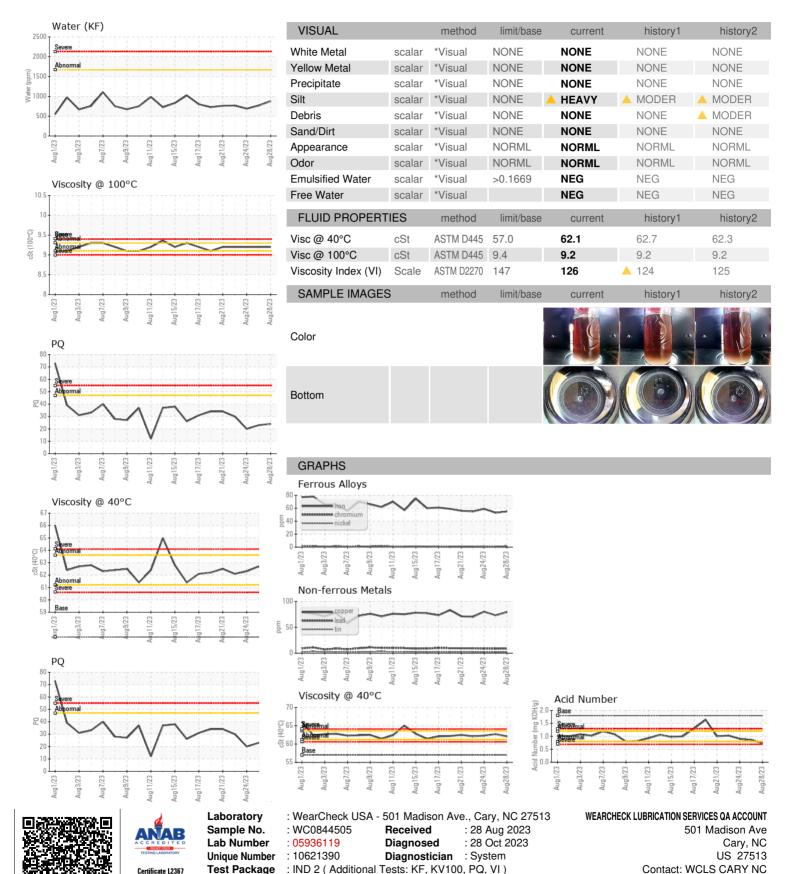


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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0844505	WC0844502	WC0844501
Sample Date		Client Info		28 Aug 2023	25 Aug 2023	24 Aug 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status						
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>47	24	23	20
Iron	ppm	ASTM D5185m	>78	55	<b>5</b> 3	<b>•</b> 59
Chromium	ppm	ASTM D5185m	>2	<1	<1	<1
Nickel	ppm	ASTM D5185m	>3	2	<u> 1</u>	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>5	3	<u>^</u> 2	0
Lead	ppm	ASTM D5185m	>11	9	• 8	• 9
Copper	ppm	ASTM D5185m	>84	79	<b>1</b> 73	● 80
Tin	ppm	ASTM D5185m	>4	2	2	<u>^</u> 2
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	6	107	<b>1</b> 01	<b>1</b> 08
Barium	ppm	ASTM D5185m	0	<u>^</u> 2	<1	<b>A</b> 3
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		15	<b>1</b> 4	<b>1</b> 6
Magnesium	ppm	ASTM D5185m	145	20	<b>2</b> 0	<b>1</b> 21
Calcium	ppm	ASTM D5185m	3570	3563	3351	<b>3598</b>
Phosphorus	ppm	ASTM D5185m	1290	1148	1091	1209
Zinc	ppm	ASTM D5185m	1640	1385	1343	<b>1</b> 428
Sulfur	ppm	ASTM D5185m		3478	3485	<b>3594</b>
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>11	7	<b>8</b>	<b>8</b>
Sodium	ppm	ASTM D5185m	>23	13	<b>1</b> 2	<b>1</b> 4
Potassium	ppm	ASTM D5185m	>20	3	2	2
Water	%	ASTM D6304	>0.1669	0.088	▲ 0.076	<b>△</b> 0.068
ppm Water	ppm	ASTM D6304	>1669	881.8	<b>▲</b> 766.7	▲ 689.7
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000		253739	300571
Particles >6µm		ASTM D7647	>1300		118409	<b>1</b> 46375
Particles >14μm		ASTM D7647	>160		▲ 560	<b>△</b> 976
Particles >21µm		ASTM D7647	>40		15	27
Particles >38µm		ASTM D7647	>10		0	0
Particles >71µm		ASTM D7647	>3		0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14		<b>25/24/16</b>	<b>25/24/17</b>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	0.74	0.85	• 0.90



## **OIL ANALYSIS REPORT**



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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