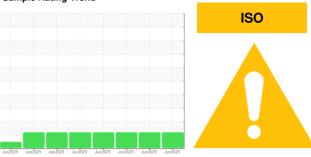


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

QC240601HY

Component Hydraulic System

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

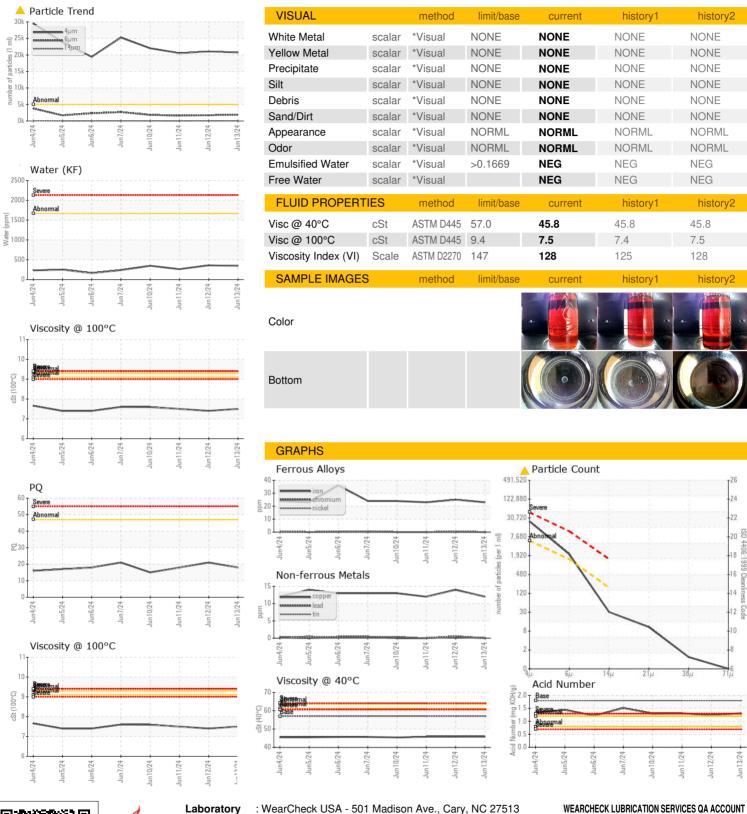
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMA	ΔΤΙΩΝΙ	method	limit/base	current	history1	history2
	NI IOIV		IIIIIIIIIIIIII			
Sample Number		Client Info		WC0952771	WC0952770	WC06206496
Sample Date	le ue	Client Info		13 Jun 2024	12 Jun 2024	11 Jun 2024
3-	hrs hrs	Client Info		0	0	0
O .	1115	Client Info		N/A	N/A	N/A
Oil Changed Sample Status		Ciletit iiiio		ABNORMAL	ABNORMAL	ABNORMAL
			11 11 11			
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>47	18	21	18
	ppm	ASTM D5185m	>78	23	25	23
	ppm	ASTM D5185m	>2	0	<1	0
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	>2	0	<1	0
	ppm	ASTM D5185m	>2	<1	<1	0
	ppm	ASTM D5185m	>5	2	2	1
	ppm	ASTM D5185m	>11	0	<1	0
	ppm	ASTM D5185m	>84	12	14	12
	ppm	ASTM D5185m	>4	0	<1	0
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	<1	1	0
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	145	81	84	84
Calcium	ppm	ASTM D5185m	3570	3192	3229	3144
•	ppm	ASTM D5185m	1290	974	890	964
Zinc	ppm	ASTM D5185m	1640	1138	1165	1121
Sulfur	ppm	ASTM D5185m		3750	3511	3682
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>11	14	15	14
Sodium	ppm	ASTM D5185m	>23	10	6	9
Potassium	ppm	ASTM D5185m	>20	0	3	<1
Water	%	ASTM D6304	>0.1669	0.034	0.035	0.026
ppm Water	ppm	ASTM D6304	>1669	343	359	263
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	20739	△ 21032	△ 20522
Particles >6μm		ASTM D7647	>1300	1880	▲ 1733	<u>▲</u> 1621
Particles >14μm		ASTM D7647	>160	27	24	8
Particles >21µm		ASTM D7647	>40	9	8	2
Particles >38μm		ASTM D7647	>10	1	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>22/18/12</u>	<u>^</u> 22/18/12	<u>22/18/10</u>
FLUID DEGRADAT	ΓΙΟΝ	method	limit/base	current	history1	history2

1.24



OIL ANALYSIS REPORT







Laboratory Sample No.

: WC0952771 Lab Number : 06208717 Unique Number: 11076178

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 Jun 2024 Tested

: 14 Jun 2024 Diagnosed

: 19 Jun 2024 - Jonathan Hester

501 Madison Ave Cary, NC US 27513 Contact: WCLS CARY NC

Test Package : IND 2 (Additional Tests: KF, KV100, PQ, VI) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

Report Id: WEACARQA [WUSCAR] 06208717 (Generated: 06/22/2024 21:52:04) Rev: 1

F: (919)379-4050 Submitted By: ?

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