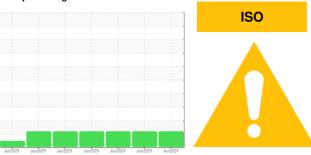


OIL ANALYSIS REPORT

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 INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0952770	WC06206496	WC06204575
Sample Date		Client Info		12 Jun 2024	11 Jun 2024	10 Jun 2024
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				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>47	21	18	15
Iron	ppm	ASTM D5185m	>78	25	23	24
Chromium	ppm	ASTM D5185m	>2	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m	>5	2	1	2
Lead	ppm	ASTM D5185m	>11	<1	0	0
Copper	ppm	ASTM D5185m	>84	14	12	13
Tin	ppm	ASTM D5185m	>4	<1	0	<1
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	1	0	1
Barium	ppm	ASTM D5185m	0	0	<1	1
Molybdenum	ppm	ASTM D5185m	0	<1	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m	145	84	84	90
Calcium	ppm	ASTM D5185m	3570	3229	3144	3312
Phosphorus	ppm	ASTM D5185m	1290	890	964	1005
Zinc	ppm	ASTM D5185m	1640	1165	1121	1226
Sulfur	ppm	ASTM D5185m		3511	3682	3955
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>11	15	14	15
Sodium	ppm	ASTM D5185m	>23	6	9	10
Potassium	ppm	ASTM D5185m	>20	3	<1	3
Water	%	ASTM D6304	>0.1669	0.035	0.026	0.034
ppm Water	ppm	ASTM D6304	>1669	359	263	348
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	^ 21032	△ 20522	<u>^</u> 22025
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u>▲</u> 1621	<u> </u>
Particles >14µm		ASTM D7647	>160	24	8	18
Particles >21µm		ASTM D7647	>40	8	2	8
Particles >38µm		ASTM D7647	>10	1	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	22/18/12	<u>22/18/10</u>	<u>22/18/11</u>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

1.24



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: WC0952770 Lab Number : 06207779

Unique Number : 11075240

Received : 12 Jun 2024 Tested : 13 Jun 2024

Diagnosed : 19 Jun 2024 - Jonathan Hester

Test Package : IND 2 (Additional Tests: KF, KV100, PQ, VI) 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) T: (919)379-4102 F: (919)379-4050

Contact: WCLS CARY NC

501 Madison Ave

Cary, NC

US 27513