

OIL ANALYSIS REPORT

Sample Rating Trend

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SAMPLE INFO	RMATION	method	limit/base	current	history1	history
Sample Number		Client Info		WC0929403	WC0929402	WC092940
Sample Date		Client Info		19 Apr 2024	18 Apr 2024	17 Apr 202
al to 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	ABNORMA
WEAR METALS	6	method	limit/base	current	history1	history
PQ		ASTM D8184	>47	102	64	33
Iron	ppm	ASTM D5185m	>78	62	75	55
Chromium	ppm	ASTM D5185m	>2	<1	<1	<1
Nickel	ppm	ASTM D5185m	>3	<1	1	1
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m		2	3	2
Lead Copper	ppm	ASTM D5185m		9	9	8
	ppm	ASTM D5185m		78	77	72
Tin	ppm	ASTM D5185m		3	3	1
Vanadium	ppm	ASTM D5185m	~1	0	0	<1
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES	le le	method	limit/base	current	history1	history
Boron	ppm	ASTM D5185m		117	111	88
Barium	ppm	ASTM D5185m		0	0	<1
		ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	0	18	21	16
Manganese	ppm		145	23	23	19
Magnesium	ppm	ASTM D5185m	145			
Calcium	ppm	ASTM D5185m		3459	3463	2983
Phosphorus	ppm	ASTM D5185m	1290	1212	1179	974
Zinc	ppm	ASTM D5185m	1640	1421	1401	1128
Sulfur	ppm	ASTM D5185m		3946	3794	3099
CONTAMINANT	rs	method	limit/base		history1	history
Silicon	ppm	ASTM D5185m		9	9	8
Sodium Potassium Water ppm Water	ppm	ASTM D5185m		21	21	20
	ppm	ASTM D5185m		0	2	0
	%	ASTM D6304		0.041	0.052	0.053
	ppm	ASTM D6304	>1669	418	525	532
FLUID CLEANL	INESS	method	limit/base	current	history1	history
Particles >4µm		ASTM D7647		A 318709	4 248924	▲ 182150
Particles >6μm Particles >14μm Particles >21μm Particles >38μm		ASTM D7647	>1300	<u> </u>	<u> </u>	<u> </u>
		ASTM D7647	>160	<u> </u>	A 3927	A 992
		ASTM D7647	>40	<mark>人</mark> 87	1 25	5 6
		ASTM D7647	>10	1	0	2
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	4 25/25/19	▲ 25/24/19	▲ 25/24/17
FLUID DEGRAI	DATION	method	limit/base	current	history1	history

Area WCLSNC QC230801HY

Hydraulic System

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

DIAGNOSIS

A 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.

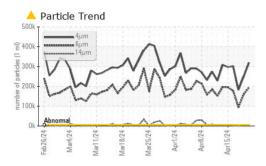
Acid Number (AN) Report Id: WEACARQA [WUSCAR] 06154370 (Generated: 04/25/2024 20:19:03) Rev: 1 mg KOH/g ASTM D8045 1.8

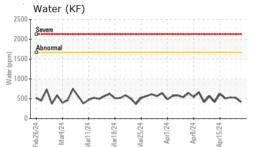
1.02 0.91 Submitted By: ?

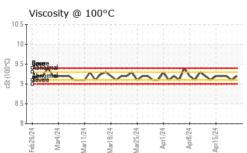
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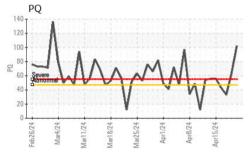


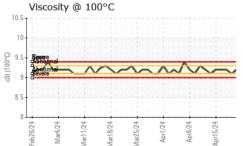
OIL ANALYSIS REPORT







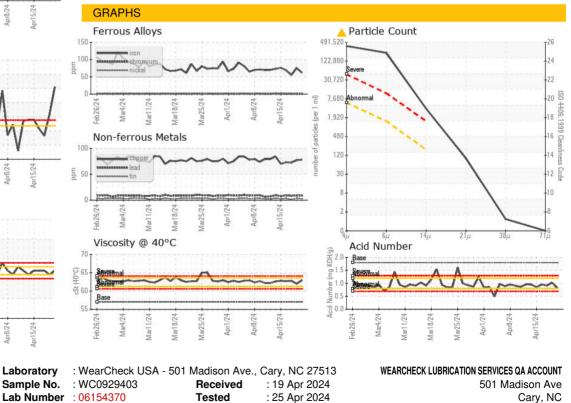




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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	MODER	MODER	MODER
Debris	scalar	*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	62.9	62.0	62.8
Visc @ 100°C	cSt	ASTM D445	9.4	9.2	9.1	9.2
Viscosity Index (VI)	Scale	ASTM D2270	147	124	124	124
SAMPLE IMAGES	S	method	limit/base	current	history1	history2





: 25 Apr 2024 - Jonathan Hester

Cary, NC US 27513 Contact: WCLS CARY NC

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Test Package : IND 2 (Additional Tests: KF, KV100, PQ, VI)
To discuss this sample report, contact Customer Service at 1-800-237-1369.
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* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Unique Number : 10989793

Color

Bottom

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Diagnosed

T: (919)379-4102 F: (919)379-4050

Report Id: WEACARQA [WUSCAR] 06154370 (Generated: 04/25/2024 20:19:03) Rev: 1

Certificate 12367