

WCLSNC

Area

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

history2

WC0929392

0

0

N/A

08 Apr 2024

ABNORMAL

34

70

1

2

<1

0

4

9 79

3

<1

0

107

0

0

21

23

3767

1263 1498

3912

10

21

0.054

history2

543

▲ 271088

1855

10

0

213932 ▲ 29014

2

history2

history2

history2

25/25/20

current

4

0

0.86

ASTM D7647

ISO 4406 (c)

method

mg KOH/g ASTM D8045 1.8

ASTM D7647 >3

>10

>19/17/14

limit/base

4

0

25/24/20

QC230801HY						
Hydraulic System			- Mi		untition	nim 🦯
OHN DEERE HY-GARD HYD/TRANS (GAL)		52024 Feb20	24 Feb2024 Mar2024	Mar2024 Mar2024 Mar2024	Apr2024
DIAGNOSIS	SAMPLE INFORM		method	limit/base	current	histor
Recommendation	Sample Number		Client Info		WC0929394	WC09293
le recommend you service the filters on this	Sample Date		Client Info		10 Apr 2024	09 Apr 20
omponent. Resample at the next service interval to	Machine Age	hrs	Client Info		0	0
ionitor.	Oil Age	hrs	Client Info		0	0
/ear	Oil Changed		Client Info		N/A	N/A
Il component wear rates are normal.	Sample Status				ABNORMAL	ABNORM
Contamination	WEAR METALS		method	limit/base	current	histor
nere is a high amount of particulates present in e oil.	PQ		ASTM D8184	>47	12	49
uid Condition	Iron	ppm	ASTM D5185m	>78	69	71
he AN level is acceptable for this fluid. The	Chromium	ppm	ASTM D5185m		<1	1
ondition of the oil is suitable for further service.	Nickel	ppm	ASTM D5185m		0	1
	Titanium	ppm	ASTM D5185m		0	<1
	Silver	ppm	ASTM D5185m		0	0
	Aluminum	ppm	ASTM D5185m		2	3
	Lead	ppm	ASTM D5185m		7	9
	Copper	ppm	ASTM D5185m		79	74
	Tin	ppm	ASTM D5185m		3	3
	Vanadium	ppm	ASTM D5185m		0	<1
	Cadmium	ppm	ASTM D5185m		0	0
	ADDITIVES		method	limit/base	current	histo
	Boron	ppm	ASTM D5185m	6	101	96
	Barium	ppm	ASTM D5185m	0	0	<1
	Molybdenum	ppm	ASTM D5185m	0	0	0
	Manganese	ppm	ASTM D5185m		19	19
	Magnesium	ppm	ASTM D5185m	145	21	23
	Calcium	ppm	ASTM D5185m	3570	3475	3449
	Phosphorus	ppm	ASTM D5185m	1290	1128	1079
	Zinc	ppm	ASTM D5185m	1640	1355	1349
	Sulfur	ppm	ASTM D5185m		3531	3846
	CONTAMINANTS	;	method	limit/base	current	histo
	Silicon	ppm	ASTM D5185m	>11	9	10
	Sodium	ppm	ASTM D5185m	>23	19	19
	Potassium	ppm	ASTM D5185m	>20	0	0
	Water	%	ASTM D6304	>0.1669	0.041	0.066
	ppm Water	ppm	ASTM D6304	>1669	417	664
	FLUID CLEANLIN	IESS	method	limit/base	current	histo
	Particles >4µm		ASTM D7647	>5000	<u> 274062</u>	A 23134
	Particles >6µm		ASTM D7647	>1300	<u> </u>	▲ 15844
	Particles >14µm		ASTM D7647		A 7436	6219
	Particles >21µm		ASTM D7647	>40	<u> </u>	▲ 367
	Deutielee 00.00			10		4

Particles >38µm

Particles >71µm

Oil Cleanliness

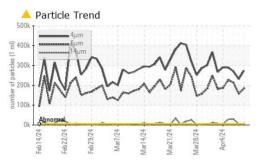
Acid Number (AN)

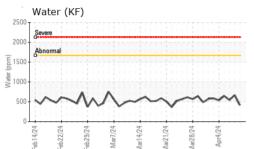
FLUID DEGRADATION

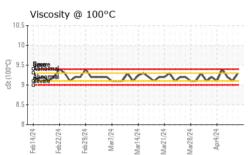
25/25/22

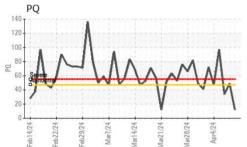


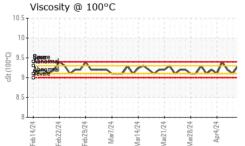
OIL ANALYSIS REPORT



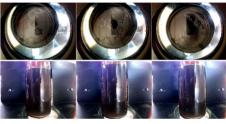


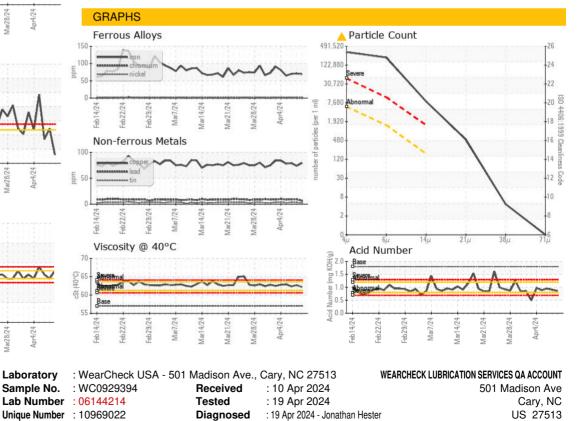






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	MODER	MODER	MODER
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	62.2	62.7	62.36
Visc @ 100°C	cSt	ASTM D445	9.4	9.3	9.1	9.2
Viscosity Index (VI)	Scale	ASTM D2270	147	128	122	125
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
						10





: 19 Apr 2024 - Jonathan Hester

Unique Number : 10969022 Certificate 12367

Test Package : IND 2 (Additional Tests: KF, KV100, PQ, VI) 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.

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

Contact: WCLS CARY NC

Report Id: WEACARQA [WUSCAR] 06144214 (Generated: 04/19/2024 06:56:07) Rev: 1

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