WEAR CONTAMINATION FLUID CONDITION

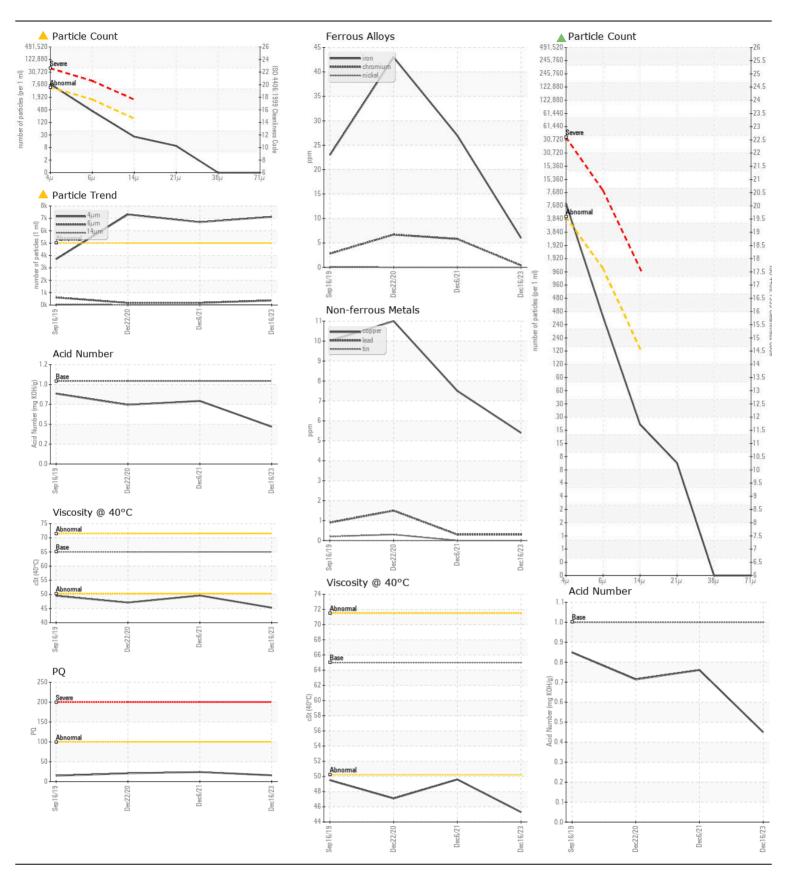
NORMAL ATTENTION NORMAL

Machine Id

JOHN DEERE 331G 1T0331GKPFJ338317 (S/N 1T0331GKPJF338317)

Component

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TESSIMIENDATION	Sample Number		Client Info		JR0189357	JR0102284	JR007218
No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		16 Dec 2023	06 Dec 2021	22 Dec 202
	Machine Age	hrs	Client Info		2073	1422	1173
	Oil Age	hrs	Client Info		651	422	0
	Filter Age	hrs	Client Info		0	422	0
	Oil Changed		Client Info		Not Changd	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ATTENTION	ABNORMAL	ABNORMA
WEAR	PQ		ASTM D8184		16	24	21
	Iron	ppm	ASTM D5185m	>20	6	<u> </u>	4 3
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	6	7
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m		0	<1	0
	Aluminum	ppm	ASTM D5185m	>10	0	3	7
	Lead	ppm	ASTM D5185m	>10	<1	<1	2
	Copper	ppm	ASTM D5185m	>75	5	8	11
	Tin	ppm	ASTM D5185m	>10	0	0	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	<1	4	7
	Potassium	ppm	ASTM D5185m	>20	0	1	4
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.	Water		WC Method	>0.1	NEG	NEG	NEG
	Particles >4µm		ASTM D7647	>5000	1 7121	▲ 6687	1 7313
	Particles >6µm		ASTM D7647	>1300	369	177	171
	Particles >14μm		ASTM D7647	>160	22	17	14
	Particles >21μm		ASTM D7647	>40	8	5	5
	Particles >38μm		ASTM D7647	>10	0	0	0
	Particles >71μm		ASTM D7647		0	0	0
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	2 0/16/12	2 0/15/11	2 0/15/1
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORN
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	1	0
The AN level is acceptable for this fluid. The condition of the -illi-	Boron	ppm	ASTM D5185m		0	0	1
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	0	<1
	Molybdenum	ppm	ASTM D5185m		0	3	<1
	Manganese	ppm	ASTM D5185m		0	<1	1
	Magnesium	ppm	ASTM D5185m	07	0	10	<1
	Calcium	ppm	ASTM D5185m		49	137	100
	Phosphorus	ppm	ASTM D5185m		442	578	573
	Zinc	ppm	ASTM D5185m	900	534	726	761
	Sulfur	ppm	ASTM D5185m		1342	1390	1480
	Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.45	0.761	0.714
	Visc @ 40°C	cSt	ASTM D445	65	45.3	49.6	47.1





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: JR0189357

: 06059215 : 10830597

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 12 Jan 2024 Recieved Diagnosed

: 15 Jan 2024 Diagnostician : Don Baldridge

Test Package : CONST (Additional Tests: PQ)

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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