



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 331G 1T0331GKLN424421
 Component
Right Final Drive
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

Gear wear is indicated. All other component wear rates are normal.

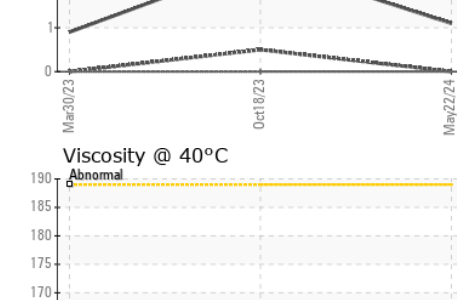
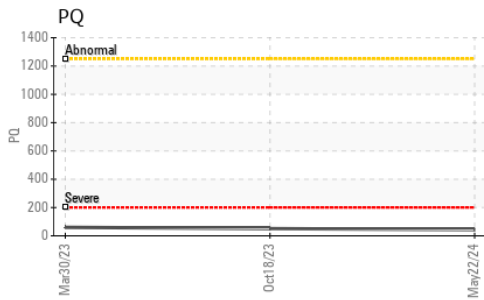
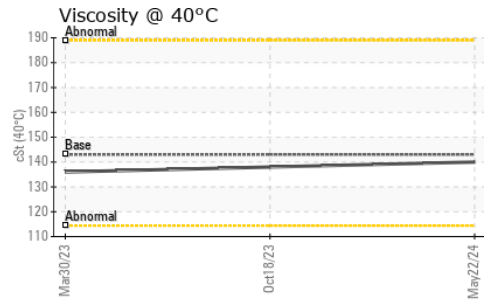
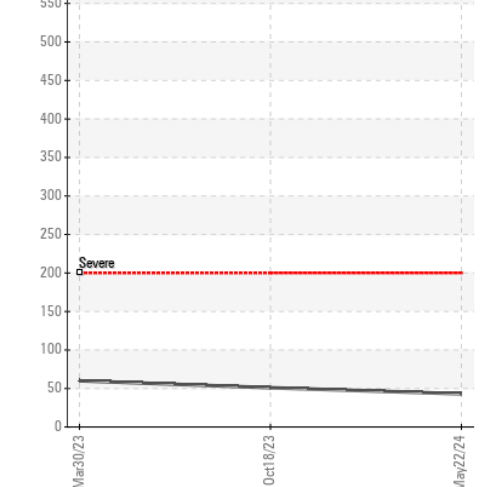
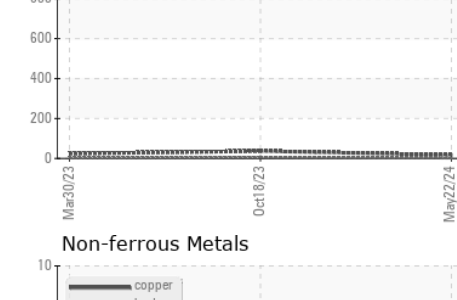
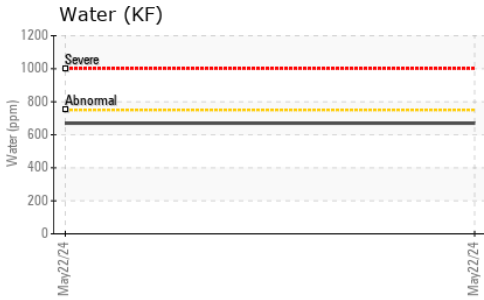
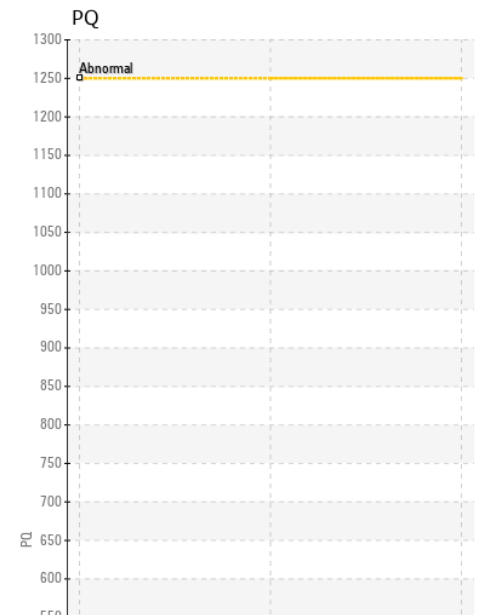
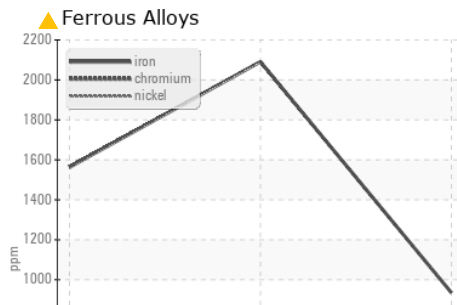
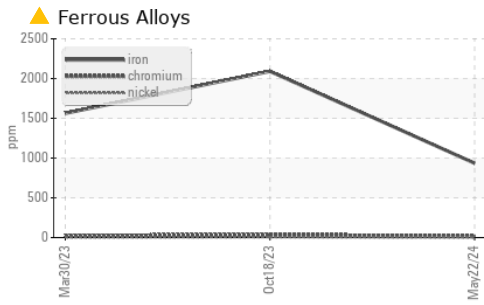
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215655	JR0188071	JR0162123
Sample Date		Client Info		22 May 2024	18 Oct 2023	30 Mar 2023
Machine Age	hrs	Client Info		1581	1100	562
Oil Age	hrs	Client Info		481	1100	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	SEVERE
PQ		ASTM D8184	>1250	43	51	60
Iron	ppm	ASTM D5185m	>750	▲ 935	▲ 2091	▲ 1563
Chromium	ppm	ASTM D5185m	>9	▲ 17	▲ 37	▲ 24
Nickel	ppm	ASTM D5185m	>10	<1	5	2
Titanium	ppm	ASTM D5185m		0	1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>40	5	12	12
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	1	2	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	19	31	26
Potassium	ppm	ASTM D5185m	>20	12	28	39
Water	%	ASTM D6304	>0.075	0.067	---	---
ppm Water	ppm	ASTM D6304	>750	670	---	---
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	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m	>170	2	13	13
Boron	ppm	ASTM D5185m	400	19	35	65
Barium	ppm	ASTM D5185m	200	7	52	78
Molybdenum	ppm	ASTM D5185m	12	1	4	4
Manganese	ppm	ASTM D5185m		5	14	16
Magnesium	ppm	ASTM D5185m	12	<1	9	20
Calcium	ppm	ASTM D5185m	150	3	29	44
Phosphorus	ppm	ASTM D5185m	1650	330	937	868
Zinc	ppm	ASTM D5185m	125	2	46	76
Sulfur	ppm	ASTM D5185m	22500	21915	45149	25056
Visc @ 40°C	cSt	ASTM D445	143	140	138	136



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215655 **Received** : 29 May 2024
Lab Number : 06194278 **Tested** : 31 May 2024
Unique Number : 11056401 **Diagnosed** : 31 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF, PQ)

CARLTON'S BACKHOE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: LEO

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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