



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W67879]

Machine Id
JOHN DEERE 331G 1T0331GKKNF424427

Component
Left Final Drive

Fluid
GEAR OIL SAE 80W90 (1 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W67879)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0219361	JR0188304	JR0161621
Sample Date		Client Info		20 Jun 2024	02 Oct 2023	19 May 2023
Machine Age	hrs	Client Info		2106	1633	1016
Oil Age	hrs	Client Info		473	1090	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				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	22	22	25
Iron	ppm	ASTM D5185m	>750	641	753	413
Chromium	ppm	ASTM D5185m	>9	11	13	9
Nickel	ppm	ASTM D5185m	>10	1	1	<1
Titanium	ppm	ASTM D5185m		1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	5	8	9
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	2	2	<1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

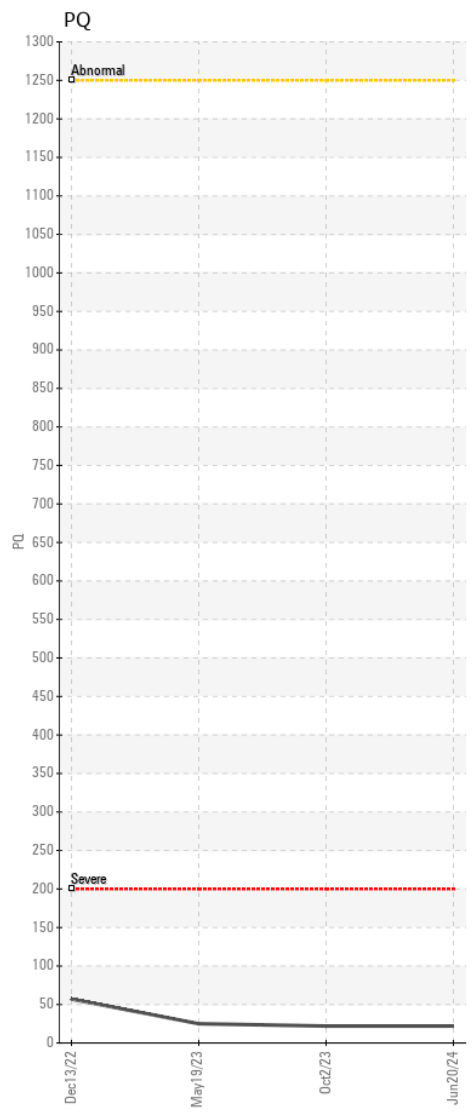
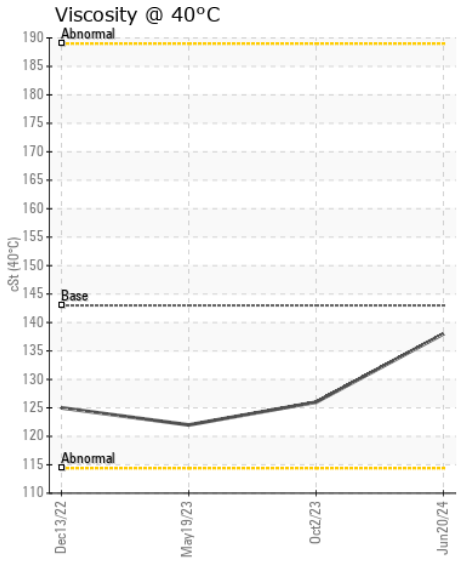
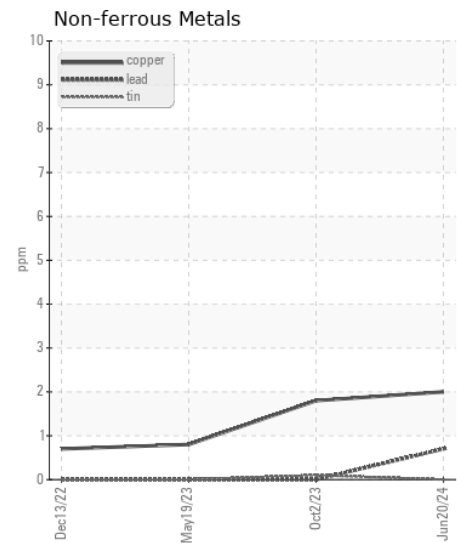
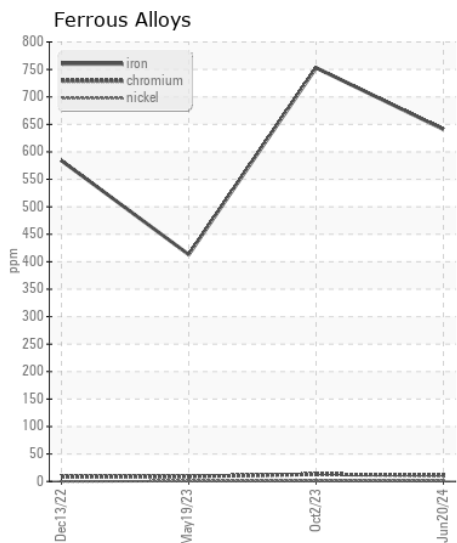
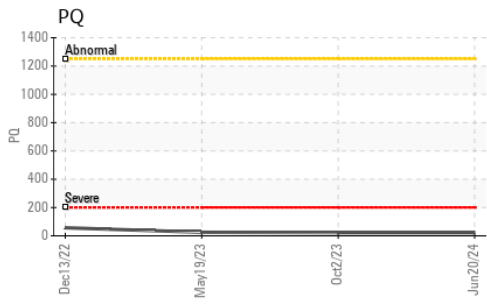
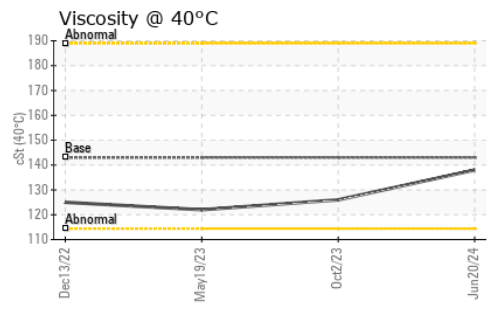
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	15	17	18
Potassium	ppm	ASTM D5185m	>20	11	16	24
Water		WC Method	>0.075	NEG	NEG	NEG
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	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	0	2	5
Boron	ppm	ASTM D5185m	400	13	14	33
Barium	ppm	ASTM D5185m	200	8	0	0
Molybdenum	ppm	ASTM D5185m	12	1	1	<1
Manganese	ppm	ASTM D5185m		4	5	5
Magnesium	ppm	ASTM D5185m	12	1	<1	5
Calcium	ppm	ASTM D5185m	150	32	14	26
Phosphorus	ppm	ASTM D5185m	1650	328	385	493
Zinc	ppm	ASTM D5185m	125	14	62	100
Sulfur	ppm	ASTM D5185m	22500	18376	18059	23345
Visc @ 40°C	cSt	ASTM D445	143	138	126	122



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0219361 **Received** : 24 Jun 2024
Lab Number : 06218485 **Tested** : 25 Jun 2024
Unique Number : 11096682 **Diagnosed** : 25 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: 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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