



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 250G 1FF250GXKNF611855

Component
Propel Drive Gearbox

Fluid
NOT GIVEN (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220321	JR0203428	JR0192539
Sample Date		Client Info		08 Jul 2024	19 Mar 2024	21 Nov 2023
Machine Age	hrs	Client Info		1477	993	586
Oil Age	hrs	Client Info		484	993	586
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
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		15	15	14
Iron	ppm	ASTM D5185m	>200	59	43	34
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m		7	3	2
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		<1	2	1
Tin	ppm	ASTM D5185m		0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

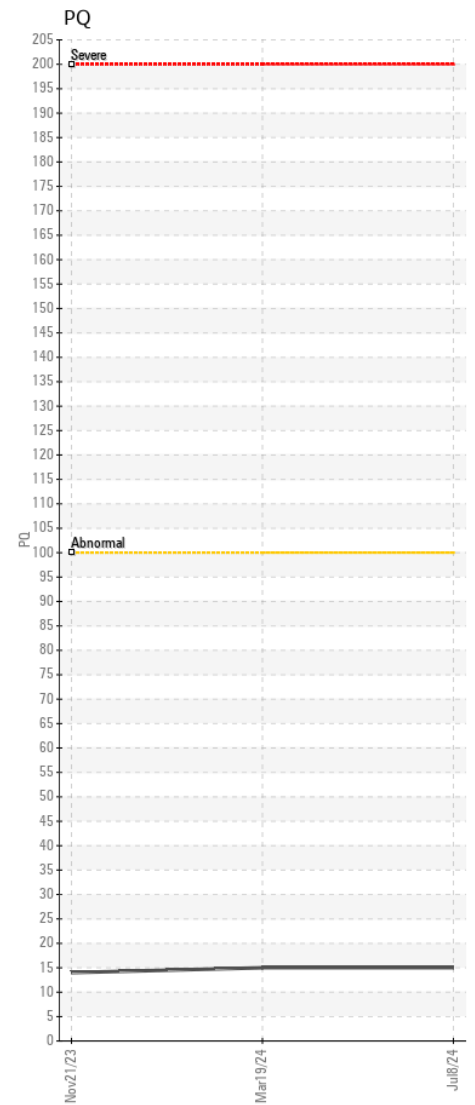
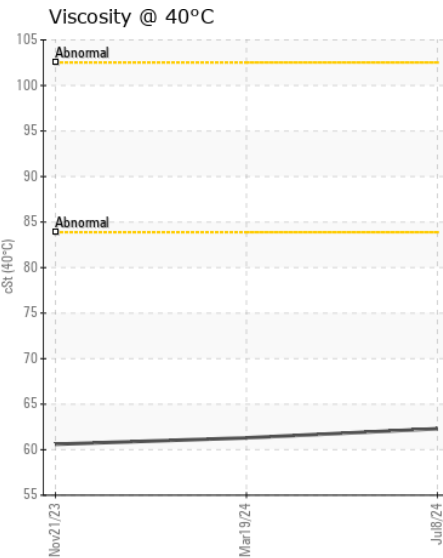
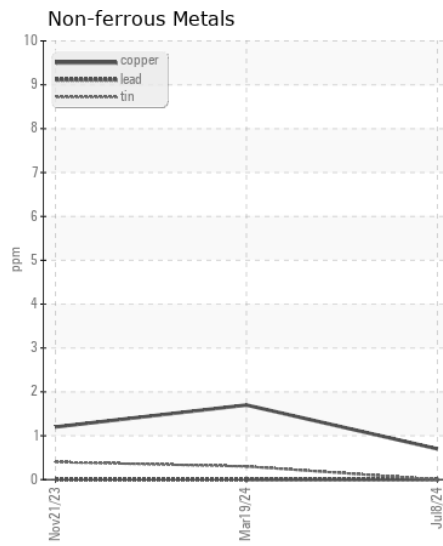
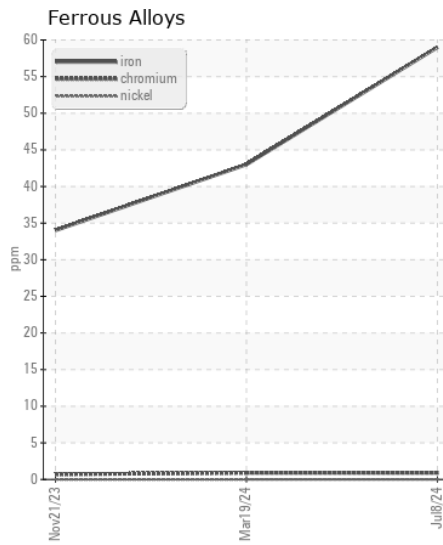
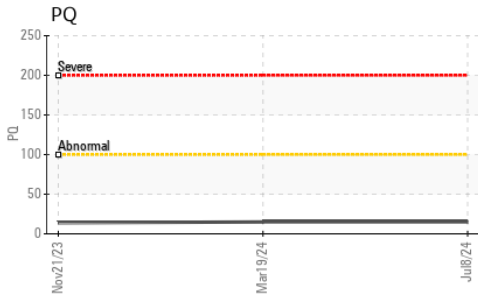
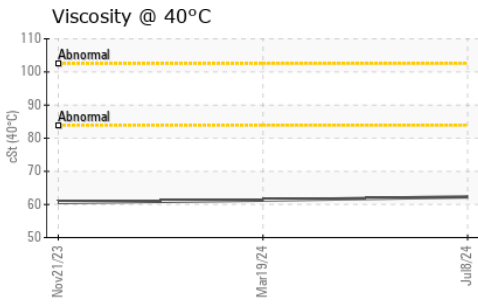
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		19	15	12
Potassium	ppm	ASTM D5185m	>20	2	4	1
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		5	<1	4
Boron	ppm	ASTM D5185m		101	58	58
Barium	ppm	ASTM D5185m		5	10	5
Molybdenum	ppm	ASTM D5185m		127	110	100
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m		165	17	20
Calcium	ppm	ASTM D5185m		3317	4257	3931
Phosphorus	ppm	ASTM D5185m		1102	1156	1155
Zinc	ppm	ASTM D5185m		1145	1361	1338
Sulfur	ppm	ASTM D5185m		7931	9746	8357
Visc @ 40°C	cSt	ASTM D445		62.3	61.3	60.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220321 **Received** : 10 Jul 2024
Lab Number : 06232512 **Tested** : 11 Jul 2024
Unique Number : 11116005 **Diagnosed** : 11 Jul 2024 - Wes Davis
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)

T: (704)547-0211

F: