



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 210K 66614 (S/N 1R8210KXHEG892121)
 Component
Rear Axle
 Fluid
PETRO CANADA DURATRAN (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
 Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0066048	---	---
Sample Date		Client Info		08 Mar 2024	---	---
Machine Age	hrs	Client Info		3752	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>1501	100	---	---
Chromium	ppm	ASTM D5185(m)	>11	<1	---	---
Nickel	ppm	ASTM D5185(m)	>10	2	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>21	1	---	---
Lead	ppm	ASTM D5185(m)	>51	<1	---	---
Copper	ppm	ASTM D5185(m)	>101	56	---	---
Tin	ppm	ASTM D5185(m)	>10	2	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

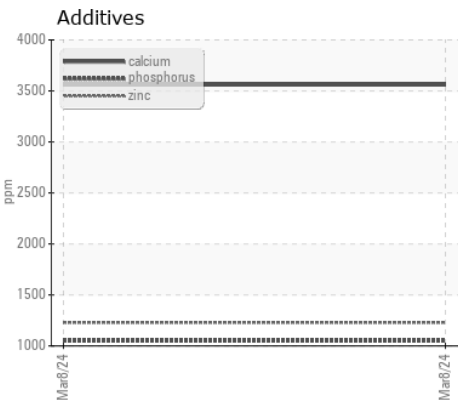
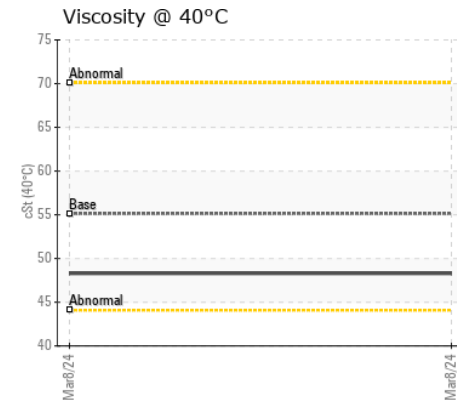
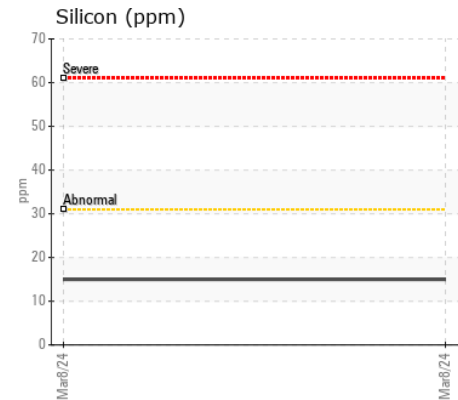
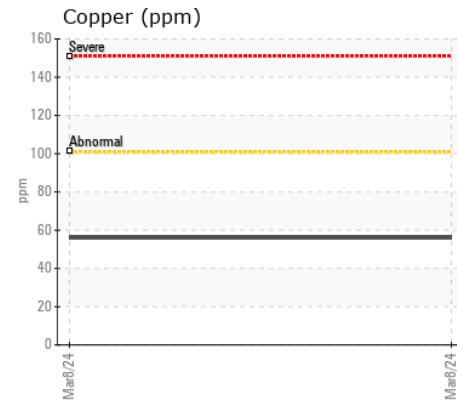
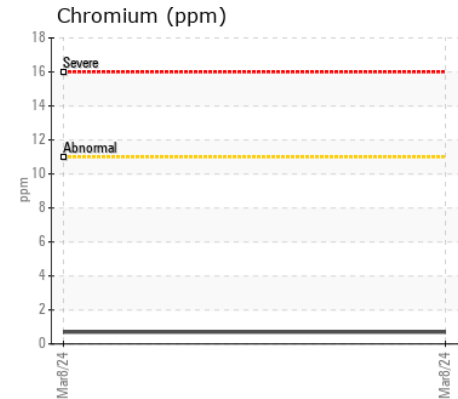
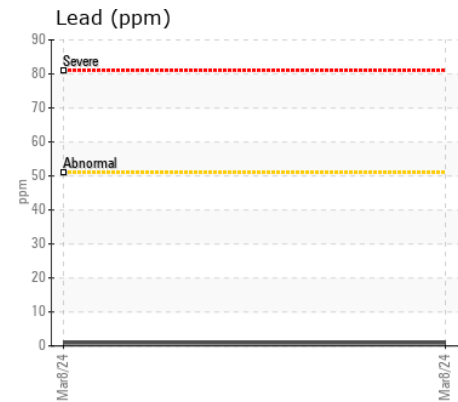
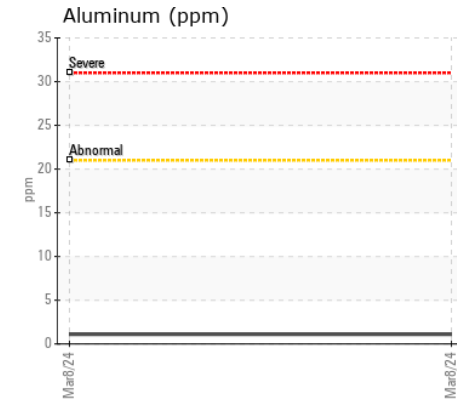
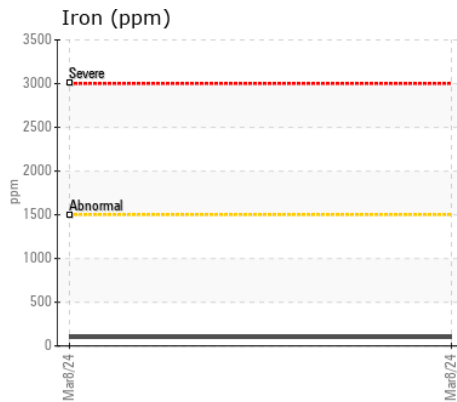
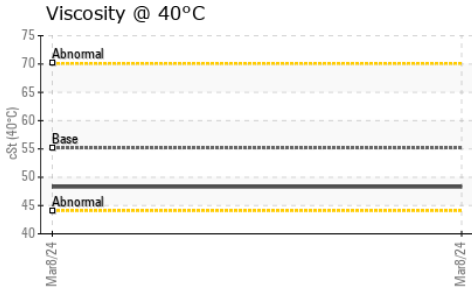
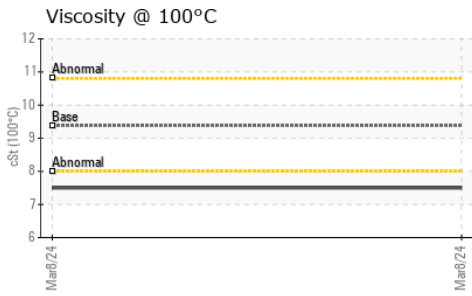
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>31	15	---	---
Potassium	ppm	ASTM D5185(m)	>20	4	---	---
Water		WC Method	>0.1	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
 The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>51	7	---	---
Boron	ppm	ASTM D5185(m)	110	2	---	---
Barium	ppm	ASTM D5185(m)	0.0	4	---	---
Molybdenum	ppm	ASTM D5185(m)	0.0	0	---	---
Manganese	ppm	ASTM D5185(m)	1	4	---	---
Magnesium	ppm	ASTM D5185(m)	13	98	---	---
Calcium	ppm	ASTM D5185(m)	3610	3560	---	---
Phosphorus	ppm	ASTM D5185(m)	1192	1050	---	---
Zinc	ppm	ASTM D5185(m)	1455	1229	---	---
Sulfur	ppm	ASTM D5185(m)	2641	3361	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	48.3	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.38	7.5	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	153	118	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0066048 **Received** : 15 Apr 2024
Lab Number : 02628967 **Tested** : 16 Apr 2024
Unique Number : 5762099 **Diagnosed** : 16 Apr 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV100, VI)

TRUCK AND EQUIPMENT SOLUTION
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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.