



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**JOHN DEERE 210K 66614 (S/N 1R8210KXHEG892121)**  
 Component  
**Front Right Final Drive**  
 Fluid  
**PETRO CANADA DURATRAN (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0075759</b>	---	---
Sample Date		Client Info		<b>08 Mar 2024</b>	---	---
Machine Age	hrs	Client Info		<b>3752</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Not Changd</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>750	<b>221</b>	---	---
Chromium	ppm	ASTM D5185(m)	>9	<b>2</b>	---	---
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>40	<b>2</b>	---	---
Lead	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m)	>40	<b>3</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

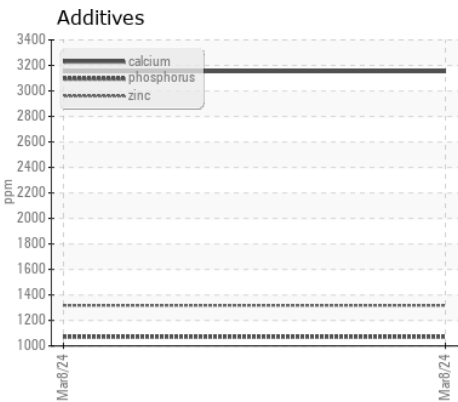
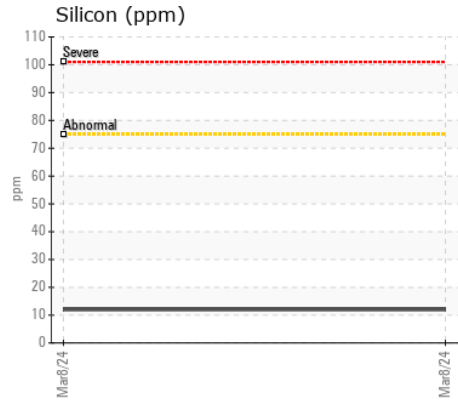
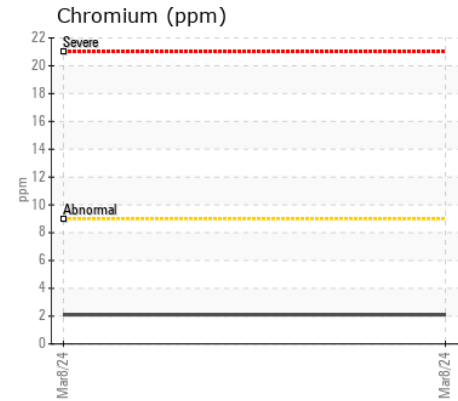
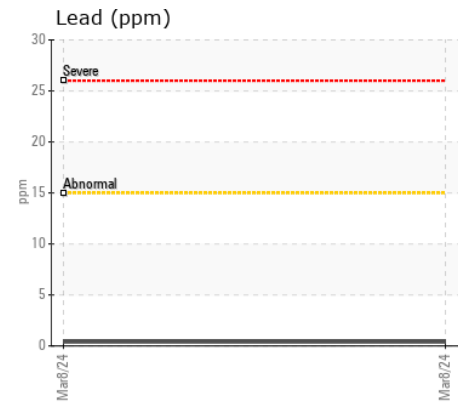
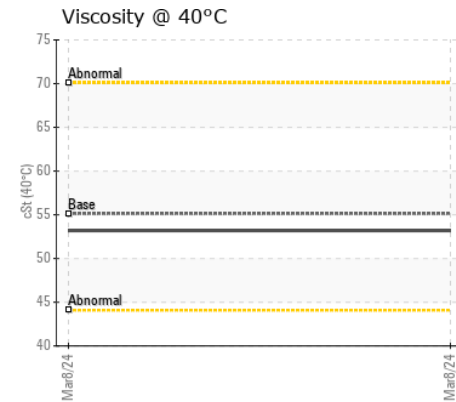
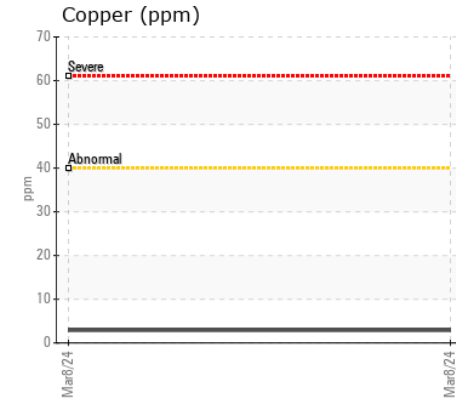
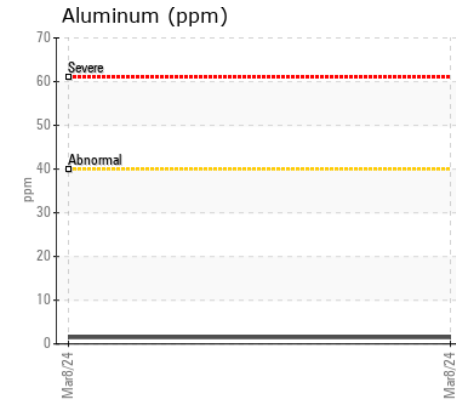
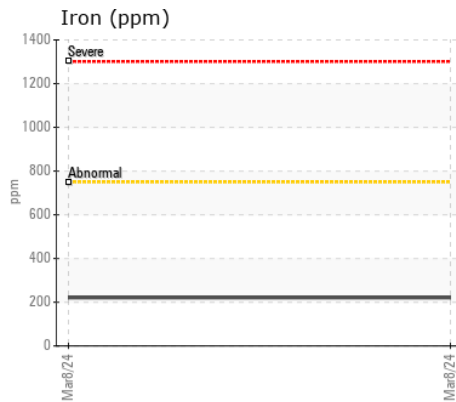
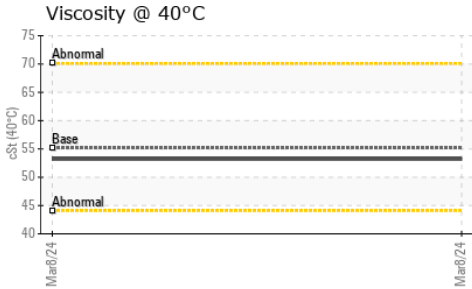
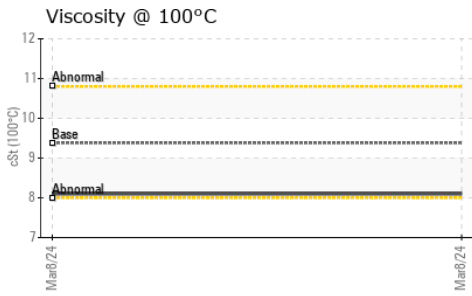
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	<b>12</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	---	---
Water		WC Method	>0.075	<b>NEG</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>VLITE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.075	<b>NEG</b>	---	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)	>51	<b>16</b>	---	---
Boron	ppm	ASTM D5185(m)	110	<b>86</b>	---	---
Barium	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)	1	<b>4</b>	---	---
Magnesium	ppm	ASTM D5185(m)	13	<b>10</b>	---	---
Calcium	ppm	ASTM D5185(m)	3610	<b>3153</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	1192	<b>1072</b>	---	---
Zinc	ppm	ASTM D5185(m)	1455	<b>1318</b>	---	---
Sulfur	ppm	ASTM D5185(m)	2641	<b>3409</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	<b>53.2</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.38	<b>8.1</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	153	<b>121</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0075759 **Received** : 15 Apr 2024  
**Lab Number** : 02628965 **Tested** : 16 Apr 2024  
**Unique Number** : 5762097 **Diagnosed** : 16 Apr 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: KV100, VI )

**TRUCK AND EQUIPMENT SOLUTION**  
 2 BERTRAM INDUSTRIAL PKWY.  
 MIDHURST, ON  
 CA L9X 1L2  
 Contact: Julie Holden  
 parts@tesbarrie.com  
 T: (705)792-7620  
 F: (705)725-5425

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.