



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



Machine Id  
**JOHN DEERE 130G 2301902**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON HP 15W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0072414</b>	PC0059327	PC0031412
Sample Date		Client Info		<b>12 Feb 2024</b>	03 Mar 2023	15 Oct 2020
Machine Age	hrs	Client Info		<b>3343</b>	2775	1043
Oil Age	hrs	Client Info		<b>600</b>	500	474
Filter Age	hrs	Client Info		<b>600</b>	500	474
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>51	<b>40</b>	43	67
Chromium	ppm	ASTM D5185(m)	>11	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>31	<b>3</b>	3	6
Lead	ppm	ASTM D5185(m)	>26	<b>2</b>	2	5
Copper	ppm	ASTM D5185(m)	>26	<b>2</b>	3	119
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	<1

**CONTAMINATION**

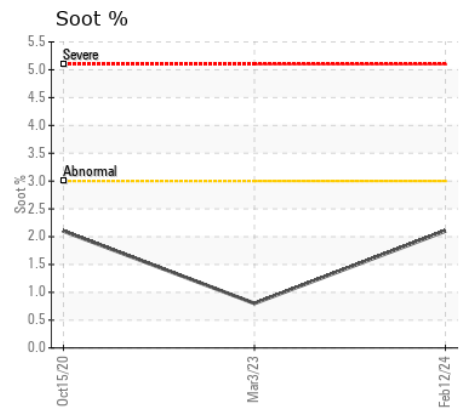
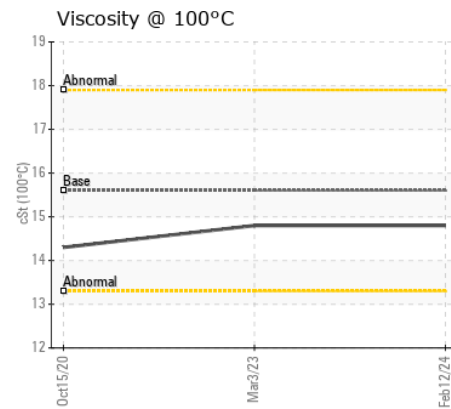
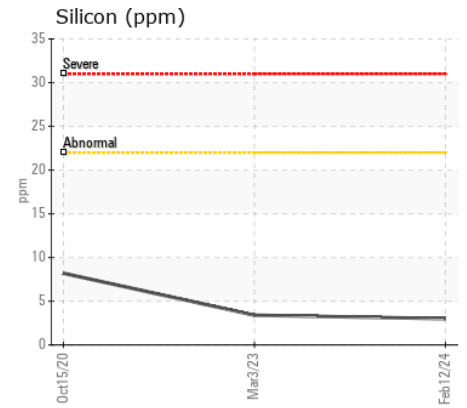
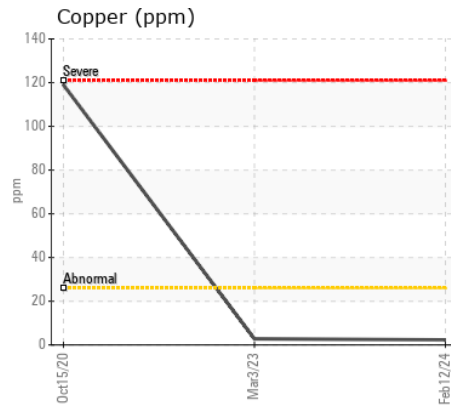
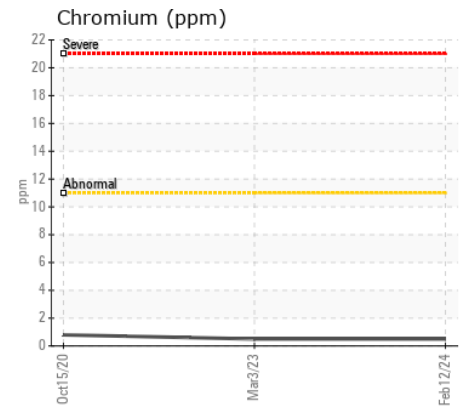
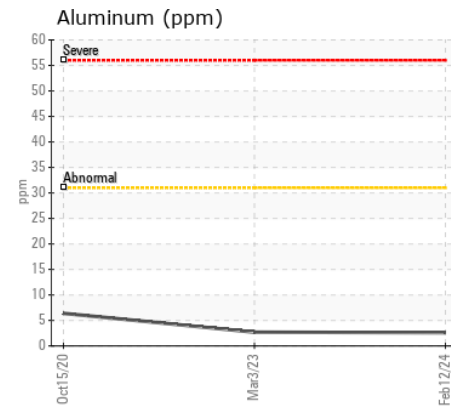
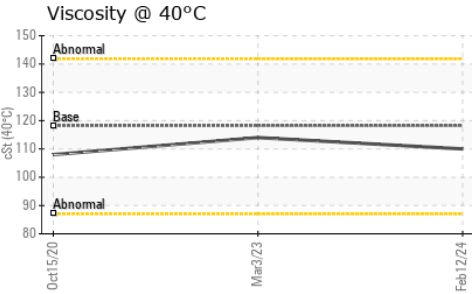
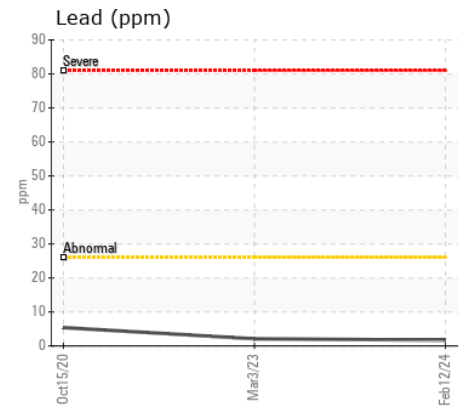
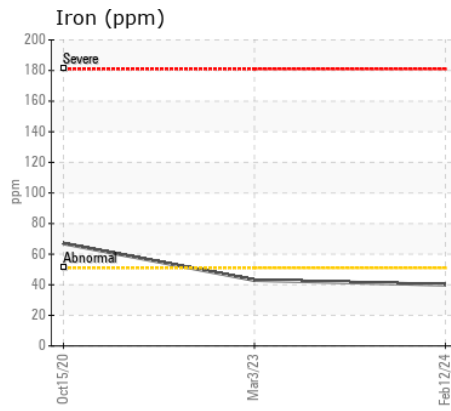
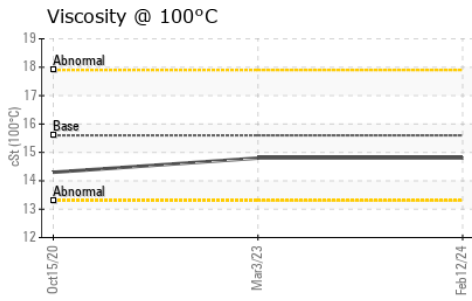
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	<b>3</b>	3	8
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	2
Fuel		WC Method	>2.1	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.21	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>2.1</b>	0.8	2.1
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.9</b>	5.0	9.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>21.2</b>	17.9	25.4
Emulsified Water	scalar	Visual*	>0.21	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)	>31	<b>2</b>	3	5
Boron	ppm	ASTM D5185(m)	0	<b>3</b>	2	141
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	<b>61</b>	63	244
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	<1	2
Magnesium	ppm	ASTM D5185(m)	1010	<b>963</b>	994	780
Calcium	ppm	ASTM D5185(m)	1070	<b>1091</b>	1144	1609
Phosphorus	ppm	ASTM D5185(m)	1150	<b>983</b>	1109	854
Zinc	ppm	ASTM D5185(m)	1270	<b>1152</b>	1204	1086
Sulfur	ppm	ASTM D5185(m)	2060	<b>2613</b>	2594	2507
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.6</b>	8.2	17.8
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	<b>110</b>	114	108
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	<b>14.8</b>	14.8	14.3
Viscosity Index (VI)	Scale	ASTM D2270*	139	<b>139</b>	133	134



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0072414 **Received** : 28 Feb 2024  
**Lab Number** : 02618637 **Tested** : 28 Feb 2024  
**Unique Number** : 5735747 **Diagnosed** : 28 Feb 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: KV40, VI )

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.

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