



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**JOHN DEERE 6130R**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SAE 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0741961</b>	WC0741947	---
Sample Date		Client Info		<b>01 Feb 2024</b>	01 Mar 2023	---
Machine Age	hrs	Client Info		<b>2228</b>	1910	---
Oil Age	hrs	Client Info		<b>318</b>	0	---
Filter Age	hrs	Client Info		<b>318</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>51	<b>26</b>	32	---
Chromium	ppm	ASTM D5185(m)	>11	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>31	<b>5</b>	6	---
Lead	ppm	ASTM D5185(m)	>26	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185(m)	>26	<b>2</b>	2	---
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	<1	---

## CONTAMINATION

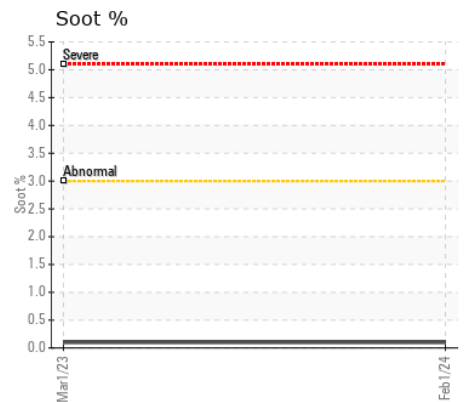
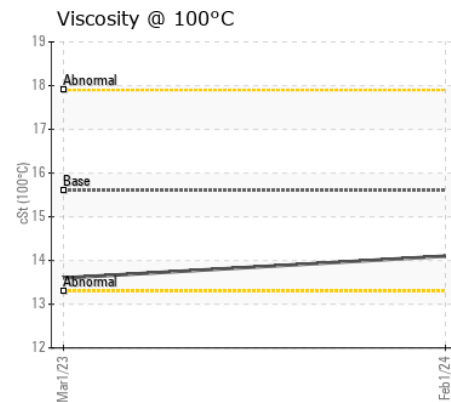
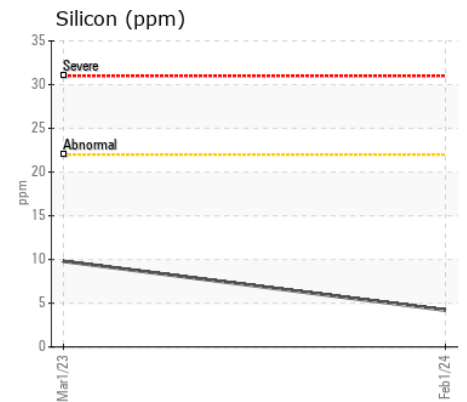
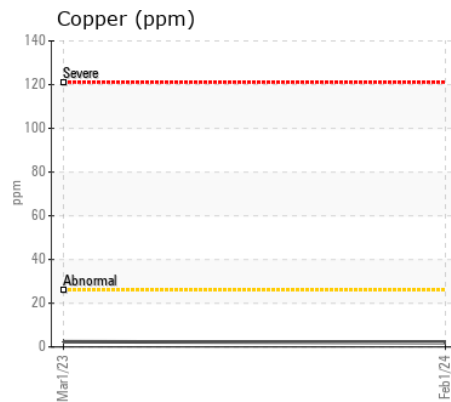
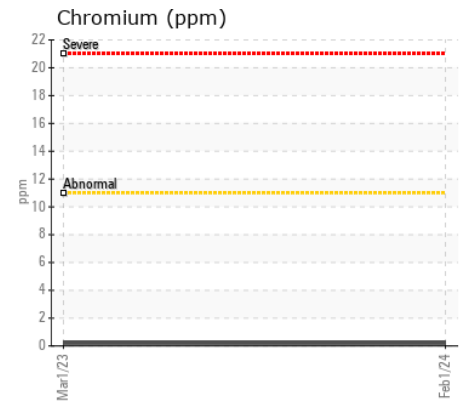
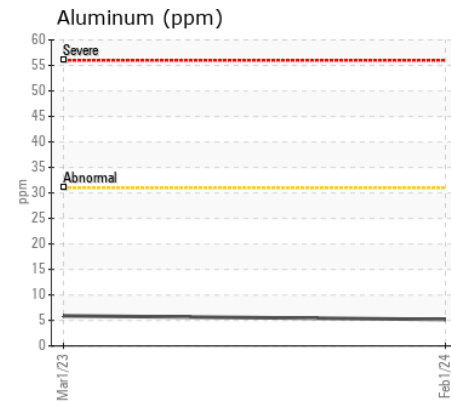
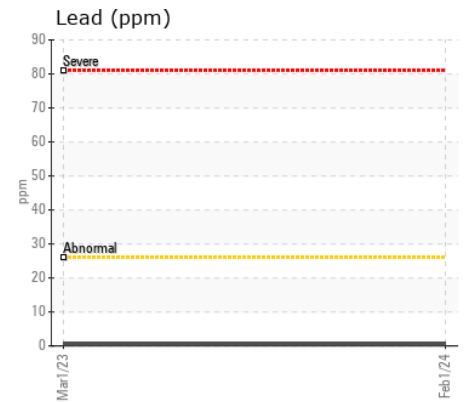
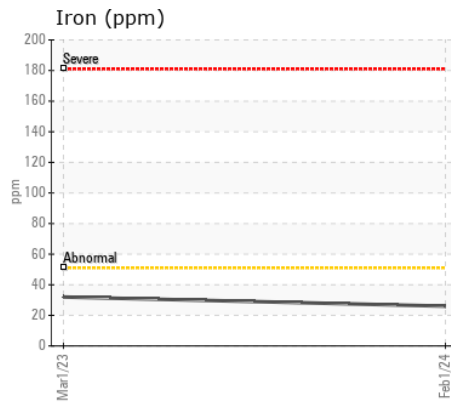
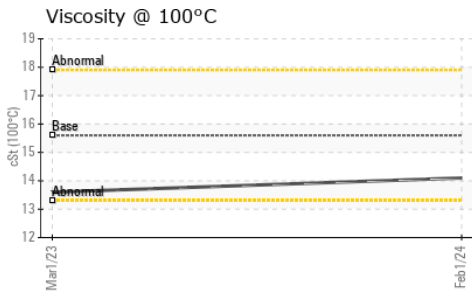
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	<b>4</b>	10	---
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	<1	---
Fuel		WC Method	>2.1	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.21	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*	>3	<b>0.1</b>	0.1	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.6</b>	8.5	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.4</b>	24.1	---
Emulsified Water	scalar	Visual*	>0.21	<b>NEG</b>	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>31	<b>2</b>	2	---
Boron	ppm	ASTM D5185(m)	1	<b>69</b>	178	---
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	60	<b>47</b>	230	---
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	1010	<b>477</b>	749	---
Calcium	ppm	ASTM D5185(m)	1070	<b>1637</b>	1520	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>956</b>	904	---
Zinc	ppm	ASTM D5185(m)	1270	<b>1119</b>	1003	---
Sulfur	ppm	ASTM D5185(m)	2060	<b>2786</b>	2505	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>15.1</b>	16.1	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	<b>14.1</b>	13.6	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0741961 **Received** : 08 Mar 2024  
**Lab Number** : 02620737 **Tested** : 08 Mar 2024  
**Unique Number** : 5737847 **Diagnosed** : 08 Mar 2024 - Wes Davis  
**Test Package** : MOB 1

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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.