



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**[42766537]**

Machine Id  
**7405**

Component  
**Diesel Engine**

Fluid  
**PETRO CANADA DURON SAE 10W30 (--- 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		<b>WC0853148</b>	WC085315	---
Sample Date		Client Info		<b>02 Jan 2024</b>	19 Oct 2023	---
Machine Age	hrs	Client Info		<b>0</b>	9674	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	SEVERE	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>130	<b>72</b>	▲ 161	---
Chromium	ppm	ASTM D5185(m)	>10	<b>2</b>	4	---
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>3</b>	5	---
Lead	ppm	ASTM D5185(m)	>20	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>125	<b>1</b>	3	---
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

## CONTAMINATION

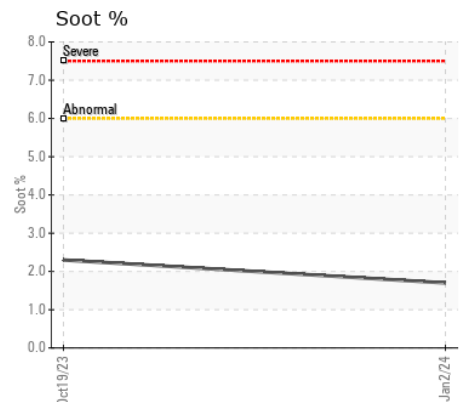
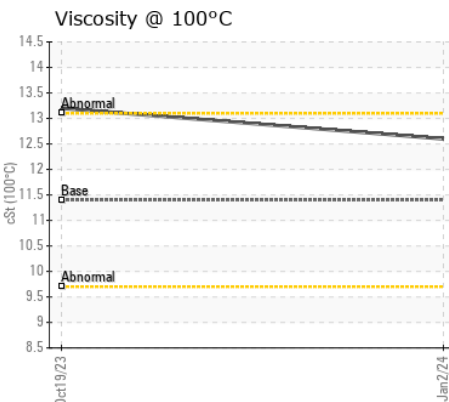
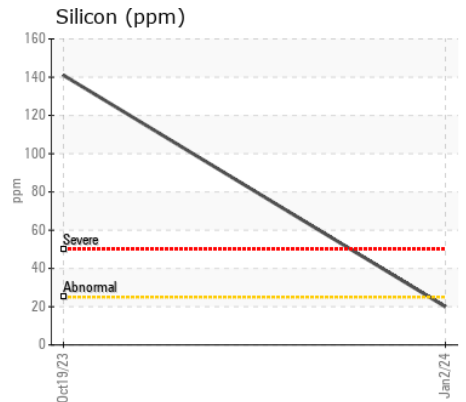
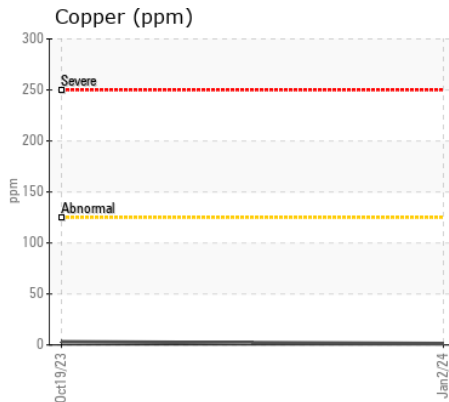
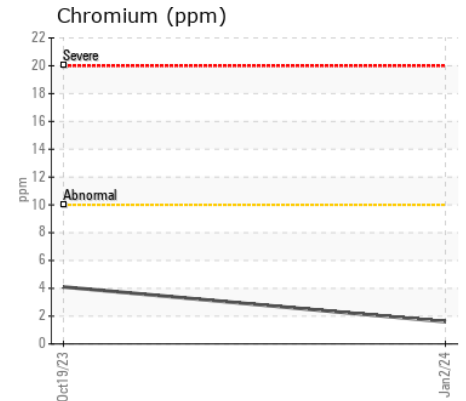
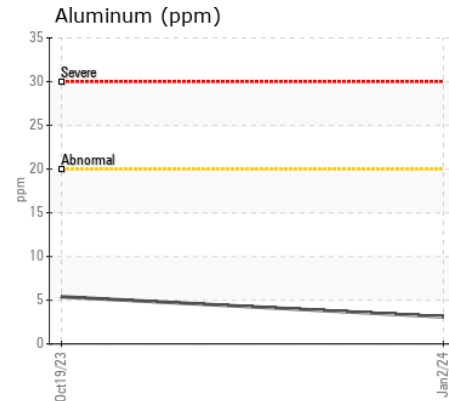
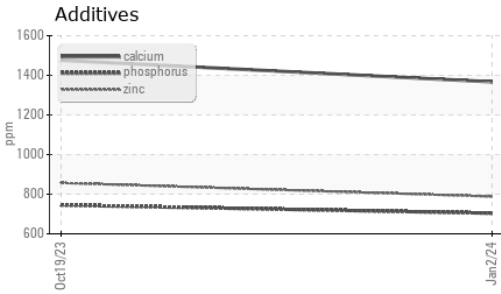
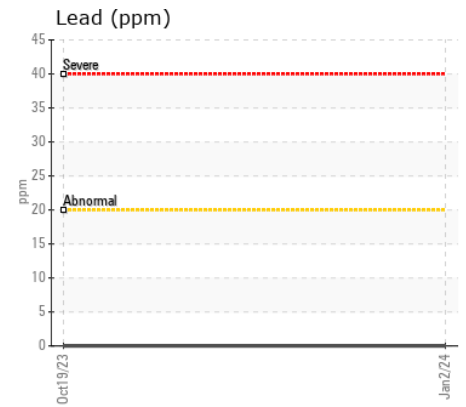
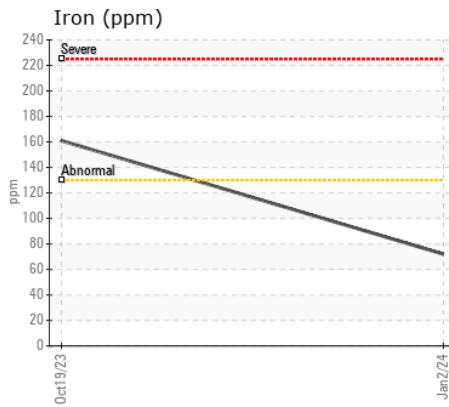
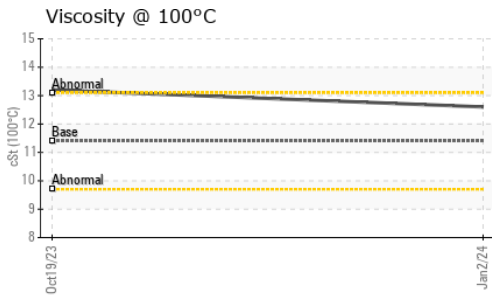
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>20</b>	◆ 141	---
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	4	---
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*	>6	<b>1.7</b>	2.3	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>16.7</b>	21.3	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>32.5</b>	38.2	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	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)		<b>3</b>	5	---
Boron	ppm	ASTM D5185(m)	1	<b>36</b>	27	---
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	1	<b>2</b>	<1	---
Manganese	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	1	---
Magnesium	ppm	ASTM D5185(m)	10	<b>744</b>	798	---
Calcium	ppm	ASTM D5185(m)	2942	<b>1367</b>	1476	---
Phosphorus	ppm	ASTM D5185(m)	1102	<b>704</b>	745	---
Zinc	ppm	ASTM D5185(m)	1351	<b>788</b>	857	---
Sulfur	ppm	ASTM D5185(m)	3903	<b>2491</b>	2391	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>33.2</b>	42.7	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	<b>12.6</b>	▲ 13.2	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0853148 **Received** : 09 Jan 2024  
**Lab Number** : 02607458 **Diagnosed** : 10 Jan 2024  
**Unique Number** : 5708544 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1

**Rush Truck Centres**  
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 ideal.lease@rushtruckcentres.ca

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.