

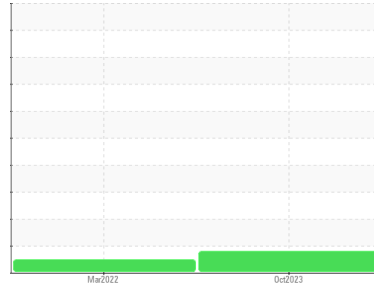


# OIL ANALYSIS REPORT

Sample Rating Trend

FUEL

Area  
**TRANSMISSION/STREETSVILLE**  
 Machine Id  
**163645 (S/N 33148629)**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON HP 15W40 (220 LTR)**



## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0867637</b>	WC0323829	---
Sample Date	Client Info		<b>05 Oct 2023</b>	25 Mar 2022	---
Machine Age	hrs	Client Info	<b>1152</b>	1052	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	---
Sample Status			<b>MARGINAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Glycol	WC Method		<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >90	<b>2</b>	1	---
Chromium	ppm	ASTM D5185(m) >20	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m) >2	<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m) >2	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m) >2	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m) >40	<b>1</b>	<1	---
Copper	ppm	ASTM D5185(m) >330	<b>1</b>	<1	---
Tin	ppm	ASTM D5185(m) >15	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 0	<b>5</b>	3	---
Barium	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185(m) 60	<b>52</b>	48	---
Manganese	ppm	ASTM D5185(m) 0	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m) 1010	<b>868</b>	868	---
Calcium	ppm	ASTM D5185(m) 1070	<b>1155</b>	1104	---
Phosphorus	ppm	ASTM D5185(m) 1150	<b>981</b>	986	---
Zinc	ppm	ASTM D5185(m) 1270	<b>1122</b>	1122	---
Sulfur	ppm	ASTM D5185(m) 2060	<b>2548</b>	2553	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

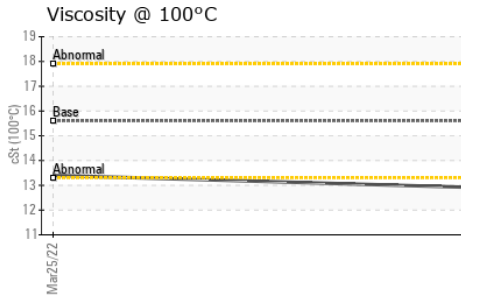
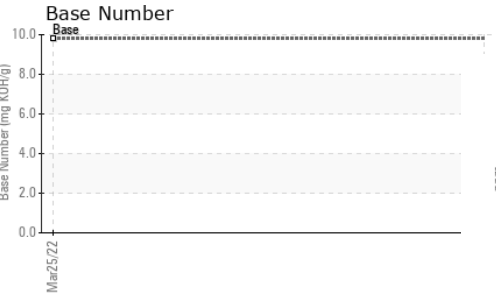
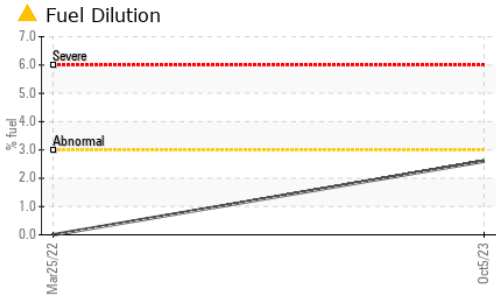
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>2</b>	3	---
Sodium	ppm	ASTM D5185(m)	<b>2</b>	1	---
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	---
Fuel	%	ASTM D7593* >3.0	<b>▲ 2.6</b>	<1.0	---

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >6	<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624* >20	<b>5.5</b>	4.8	---
Sulfation	Abs/.1mm	ASTM D7415* >30	<b>18.3</b>	19.3	---



# OIL ANALYSIS REPORT

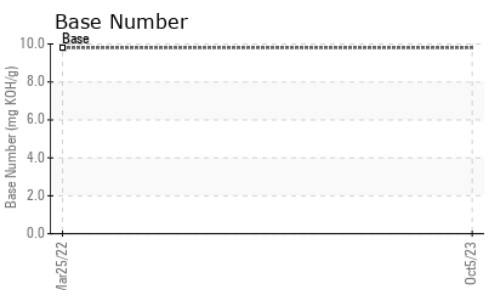
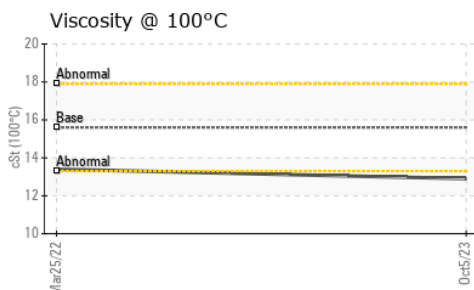
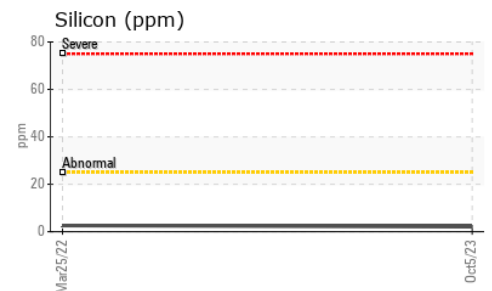
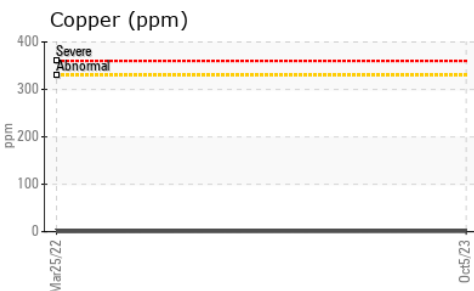
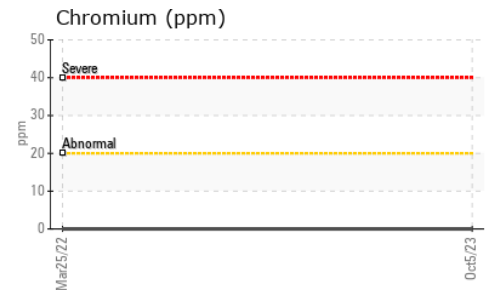
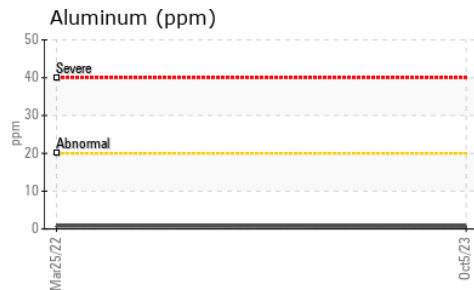
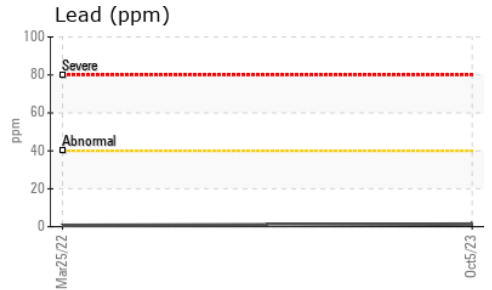
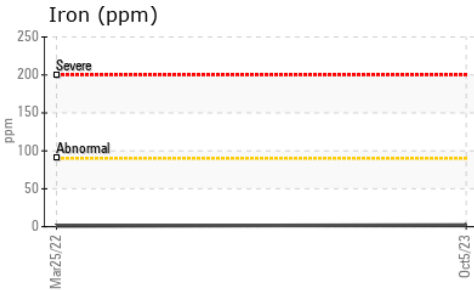


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>14.0</b>	13.7	---
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	<b>8.87</b>	---	---

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---
Free Water	scalar	Visual*		<b>NEG</b>	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	<b>12.9</b>	13.4	---

## GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **ONTARIO CLEAN WATER AGENCY**  
**Sample No.** : WC0867637 **Received** : 06 Oct 2023 **920 EAST AVENUE**  
**Lab Number** : **02587737** **Diagnosed** : 11 Oct 2023 **MISSISSAUGA, ON**  
**Unique Number** : 5656803 **Diagnostician** : Wes Davis **CA L5E 1W6**  
**Test Package** : MOB 2 ( Additional Tests: FuelDilution, PercentFuel ) **Contact: Barry Ross**

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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