



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**237**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0937997	---	---
Sample Date		Client Info		17 May 2024	---	---
Machine Age	kms	Client Info		933150	---	---
Oil Age	kms	Client Info		1617	---	---
Filter Age	kms	Client Info		1617	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>165	10	---	---
Chromium	ppm	ASTM D5185(m)	>5	0	---	---
Nickel	ppm	ASTM D5185(m)	>4	0	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	4	---	---
Lead	ppm	ASTM D5185(m)	>150	0	---	---
Copper	ppm	ASTM D5185(m)	>90	<1	---	---
Tin	ppm	ASTM D5185(m)	>5	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

## CONTAMINATION

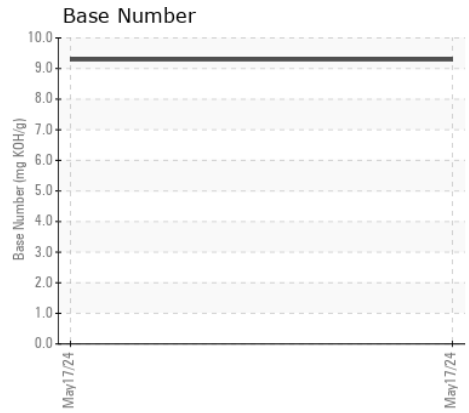
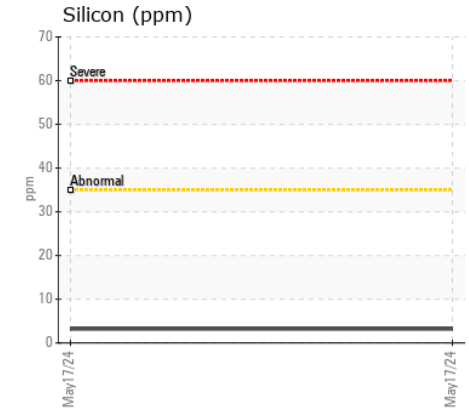
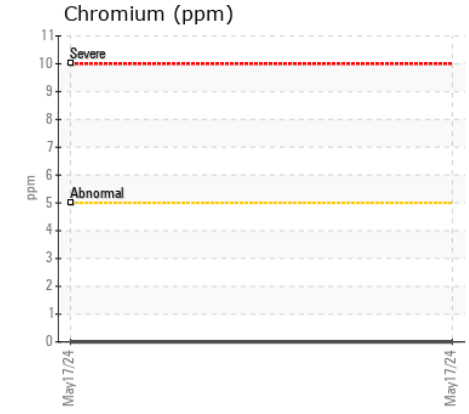
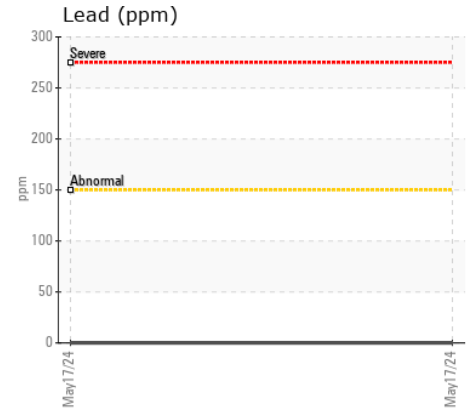
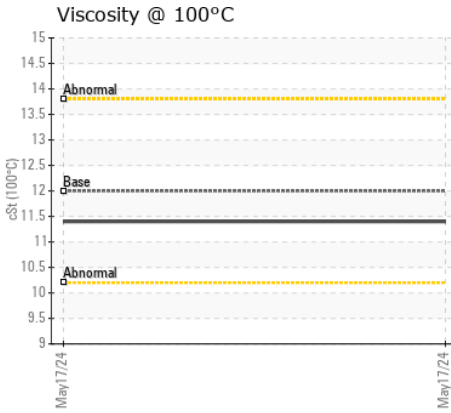
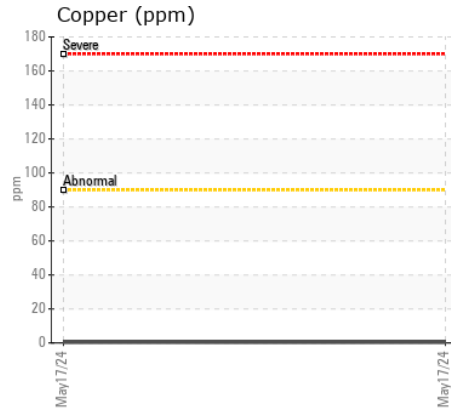
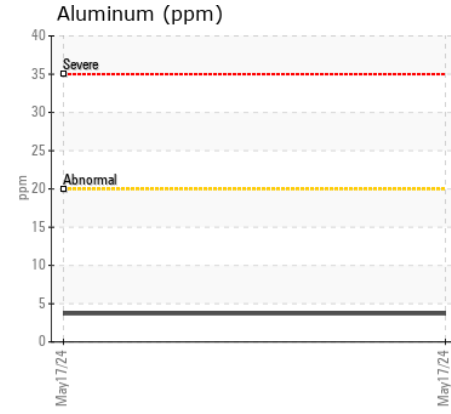
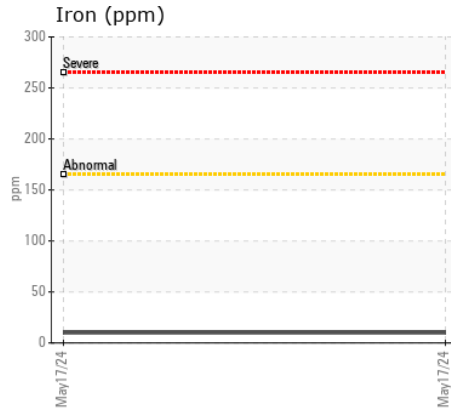
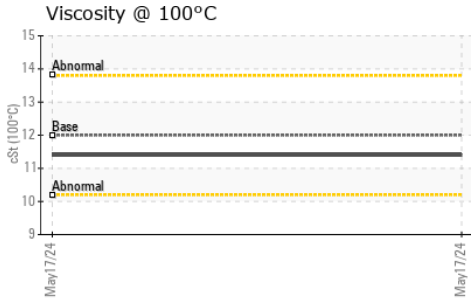
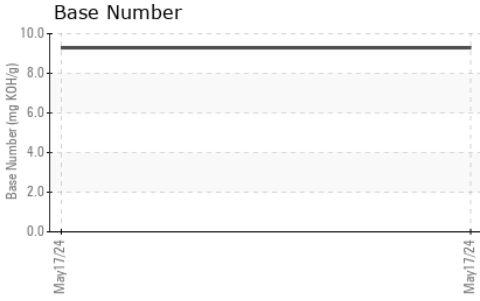
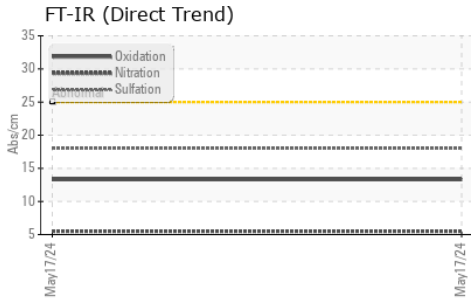
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>35	3	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Fuel		WC Method	>3.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>7.5	0.2	---	---
Nitration	Abs/cm	ASTM D7624*	>20	5.5	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.0	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

## 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.

Sodium	ppm	ASTM D5185(m)		3	---	---
Boron	ppm	ASTM D5185(m)	2	6	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	50	60	---	---
Manganese	ppm	ASTM D5185(m)	0	0	---	---
Magnesium	ppm	ASTM D5185(m)	950	941	---	---
Calcium	ppm	ASTM D5185(m)	1050	1051	---	---
Phosphorus	ppm	ASTM D5185(m)	995	987	---	---
Zinc	ppm	ASTM D5185(m)	1180	1156	---	---
Sulfur	ppm	ASTM D5185(m)	2600	2566	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.3	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		9.29	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.4	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0937997 **Received** : 07 Jun 2024  
**Lab Number** : 02640436 **Tested** : 10 Jun 2024  
**Unique Number** : 5789598 **Diagnosed** : 10 Jun 2024 - Wes Davis  
**Test Package** : MOB 2

**Moncton - Transport Laberge**  
 180 Edinburg Drive, Suite 1A  
 Moncton, NB  
 CA E1E 2K7  
 Contact: Service Manager

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.

T:  
F: