



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

Machine Id  
**OR595**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (--- LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0108215</b>	GFL0108246	---
Sample Date		Client Info		<b>12 Apr 2024</b>	29 Jan 2024	---
Machine Age	hrs	Client Info		<b>14147</b>	13772	---
Oil Age	hrs	Client Info		<b>0</b>	250	---
Filter Age	hrs	Client Info		<b>0</b>	250	---
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)	>120	<b>9</b>	6	---
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	2	---
Lead	ppm	ASTM D5185(m)	>40	<b>2</b>	<1	---
Copper	ppm	ASTM D5185(m)	>300	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

**CONTAMINATION**

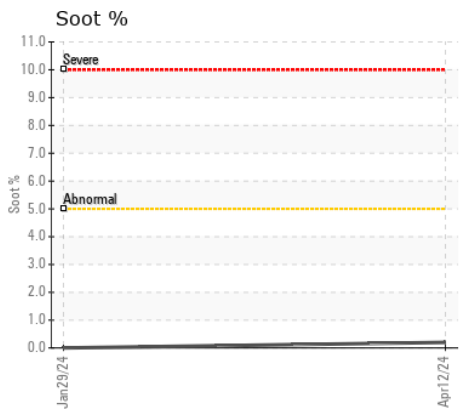
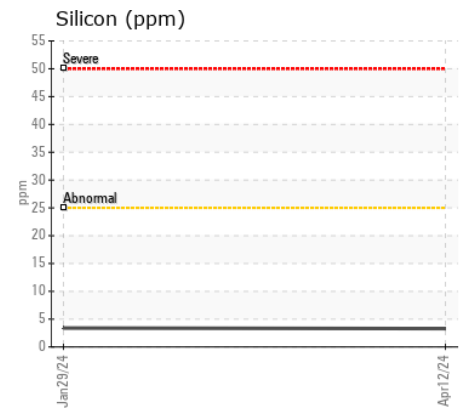
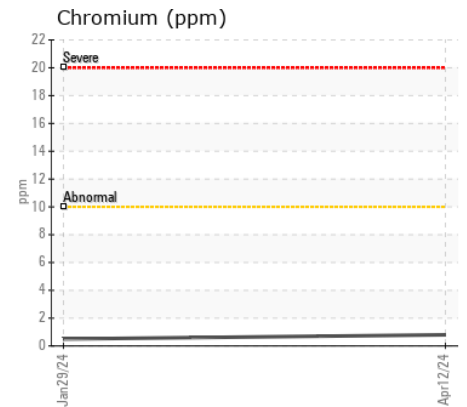
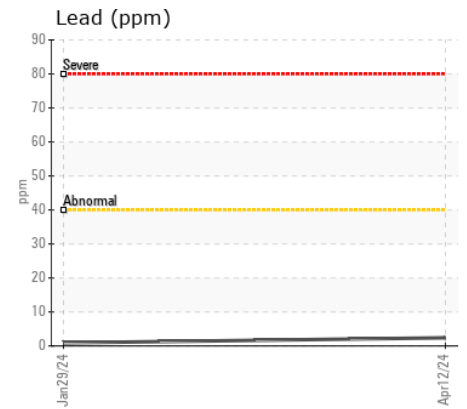
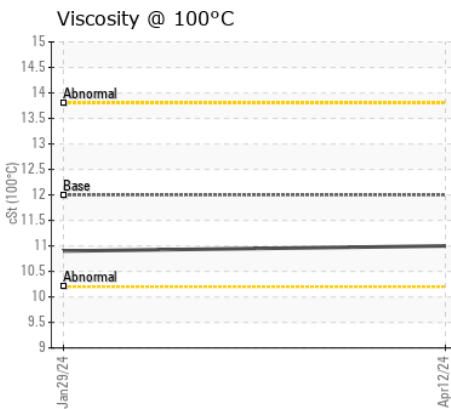
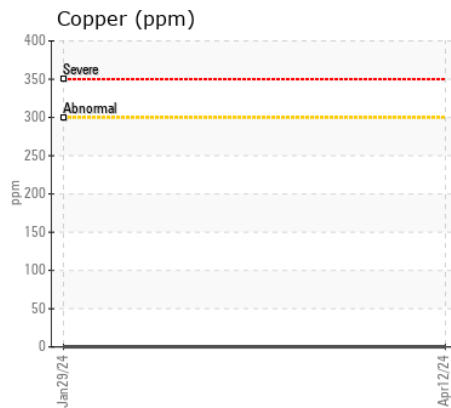
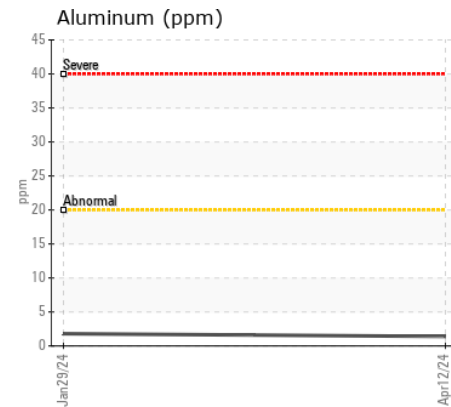
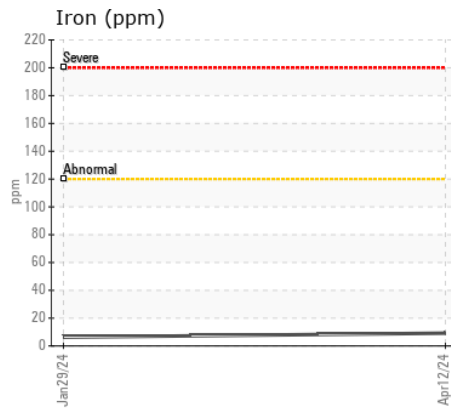
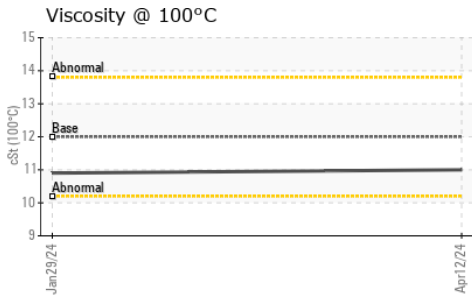
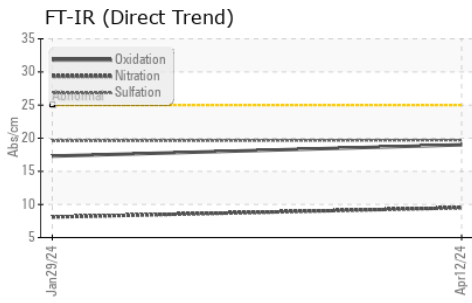
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	3	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Fuel		WC Method	>4.0	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*		<b>0.2</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.5</b>	8.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.7</b>	19.6	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>1</b>	1	---
Boron	ppm	ASTM D5185(m)	2	<b>1</b>	1	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	50	<b>59</b>	56	---
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	950	<b>984</b>	925	---
Calcium	ppm	ASTM D5185(m)	1050	<b>1064</b>	1032	---
Phosphorus	ppm	ASTM D5185(m)	995	<b>988</b>	997	---
Zinc	ppm	ASTM D5185(m)	1180	<b>1191</b>	1140	---
Sulfur	ppm	ASTM D5185(m)	2600	<b>2469</b>	2682	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>19.0</b>	17.3	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>11.0</b>	10.9	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0108215  
**Lab Number** : 02631094  
**Unique Number** : 5772247  
**Test Package** : MOB 1  
**Received** : 24 Apr 2024  
**Tested** : 24 Apr 2024  
**Diagnosed** : 24 Apr 2024 - Wes Davis

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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.