

Machine Id  
**CHEVROLET 147**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (10 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0081962</b>	PC0069216	---
Sample Date		Client Info		<b>25 Nov 2023</b>	06 Feb 2023	---
Machine Age	mls	Client Info		<b>75998</b>	61101	---
Oil Age	mls	Client Info		<b>14897</b>	14845	---
Filter Age	mls	Client Info		<b>14897</b>	14845	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	MARGINAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>48</b>	40	---
Chromium	ppm	ASTM D5185(m)	>20	<b>2</b>	1	---
Nickel	ppm	ASTM D5185(m)	>4	<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)	>20	<b>5</b>	6	---
Lead	ppm	ASTM D5185(m)	>40	<b>5</b>	4	---
Copper	ppm	ASTM D5185(m)	>330	<b>5</b>	5	---
Tin	ppm	ASTM D5185(m)	>15	<b>1</b>	2	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

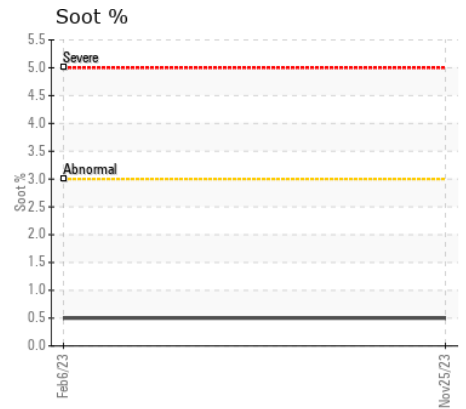
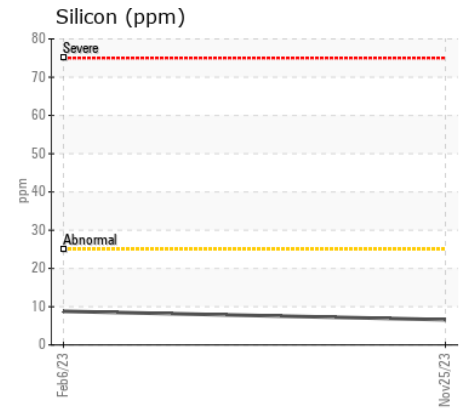
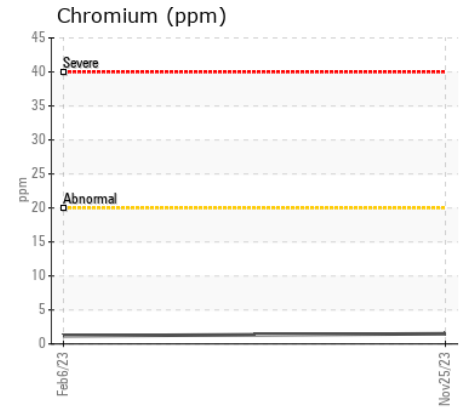
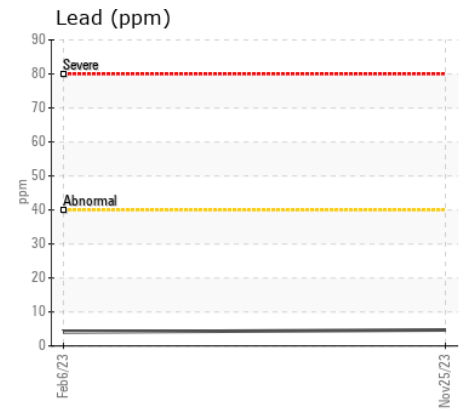
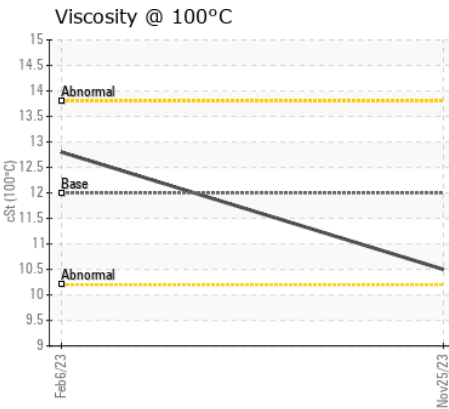
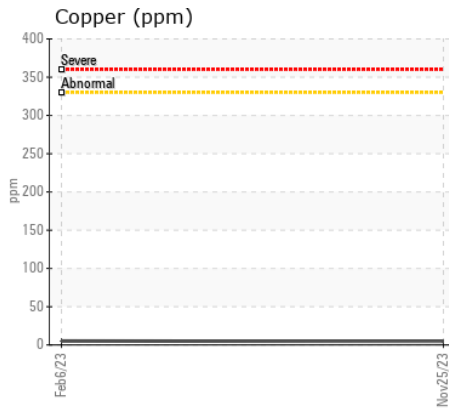
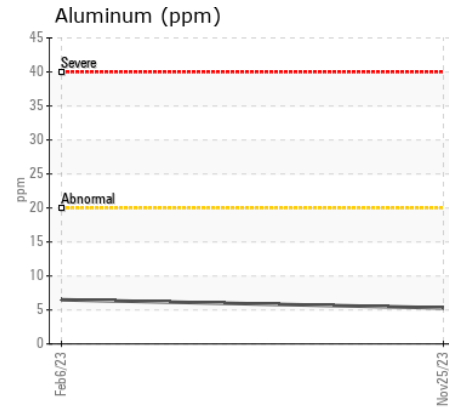
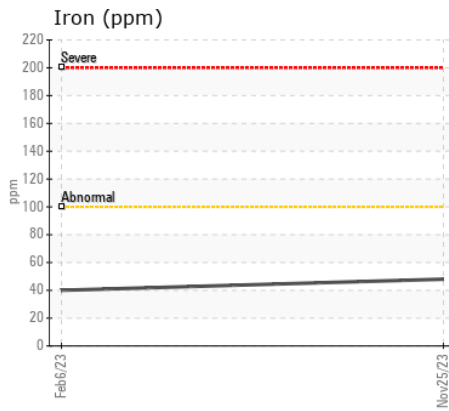
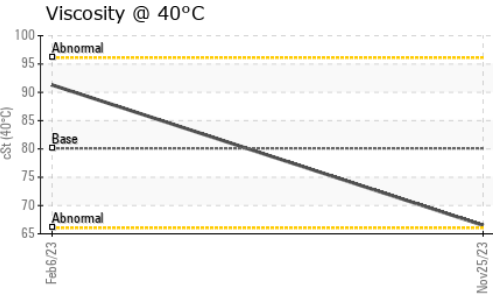
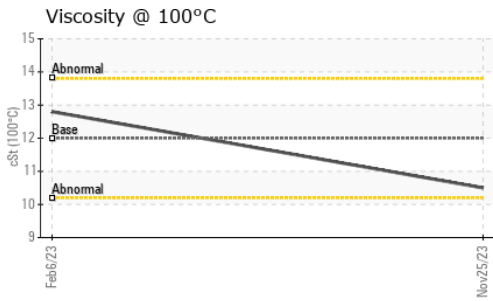
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>7</b>	9	---
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	5	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	▲ 2.2	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	0.0	---
Soot %	%	ASTM D7844*	>3	<b>0.5</b>	0.5	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>12.6</b>	12.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>23.3</b>	23.8	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	---
Boron	ppm	ASTM D5185(m)	2	<b>3</b>	5	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	50	<b>61</b>	63	---
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	950	<b>966</b>	963	---
Calcium	ppm	ASTM D5185(m)	1050	<b>1065</b>	1237	---
Phosphorus	ppm	ASTM D5185(m)	995	<b>992</b>	1140	---
Zinc	ppm	ASTM D5185(m)	1180	<b>1172</b>	1293	---
Sulfur	ppm	ASTM D5185(m)	2600	<b>2646</b>	2702	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>22.6</b>	21.5	---
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	<b>66.5</b>	91.3	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>10.5</b>	12.8	---
Viscosity Index (VI)	Scale	ASTM D2270*	144	<b>146</b>	137	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 ROSS TOWING & TRANSPORTATION SERVICES INC  
**Sample No.** : PC0081962 **Received** : 04 Jan 2024  
**Lab Number** : 02606436 **Diagnosed** : 05 Jan 2024  
**Unique Number** : 5707522 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: KV40, VI, Visual )

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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