



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

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>PC0083422</b>	PC0081962	PC0069216
Sample Date		Client Info		<b>12 Jun 2024</b>	25 Nov 2023	06 Feb 2023
Machine Age	mls	Client Info		<b>88779</b>	75998	61101
Oil Age	mls	Client Info		<b>12781</b>	14897	14845
Filter Age	mls	Client Info		<b>12781</b>	14897	14845
Oil Changed		Client Info		<b>Changed</b>	N/A	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	MARGINAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>50</b>	48	40
Chromium	ppm	ASTM D5185(m)	>20	<b>1</b>	2	1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>4</b>	5	6
Lead	ppm	ASTM D5185(m)	>40	<b>6</b>	5	4
Copper	ppm	ASTM D5185(m)	>330	<b>3</b>	5	5
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	1	2
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

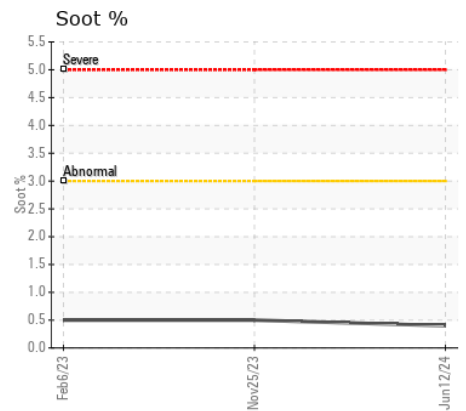
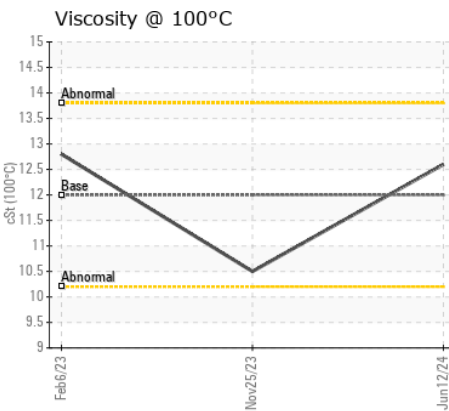
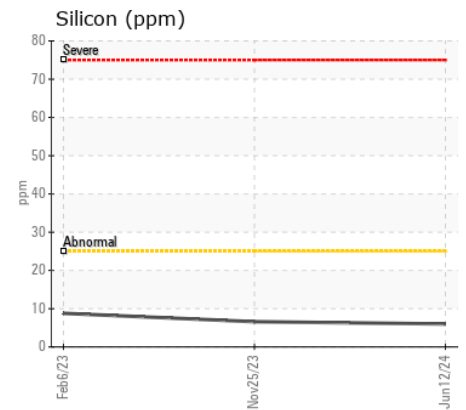
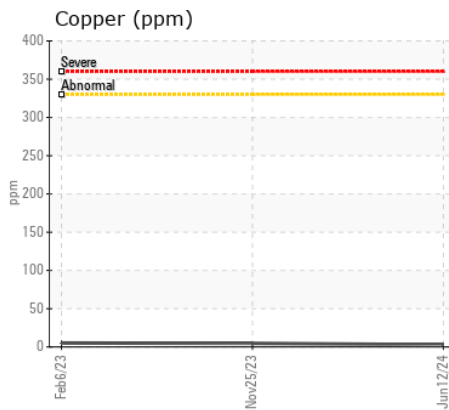
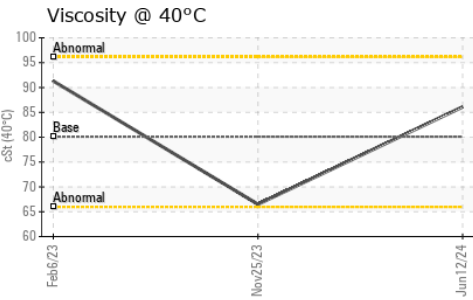
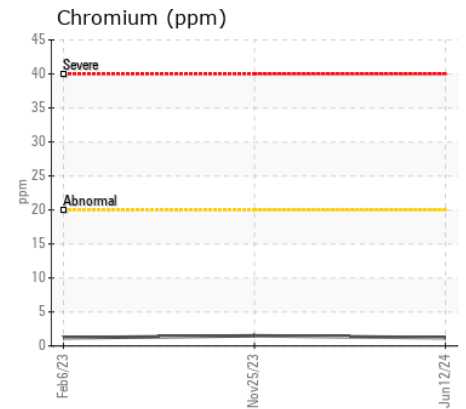
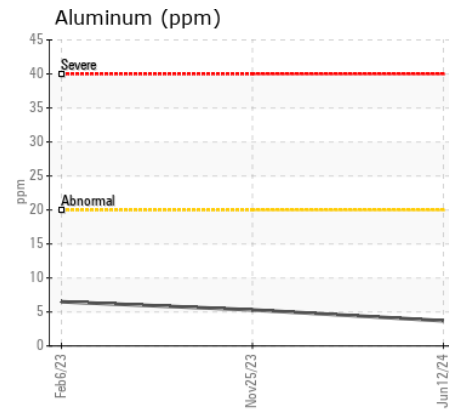
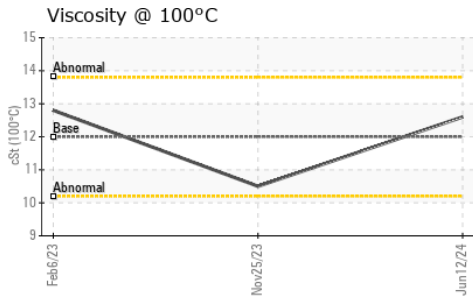
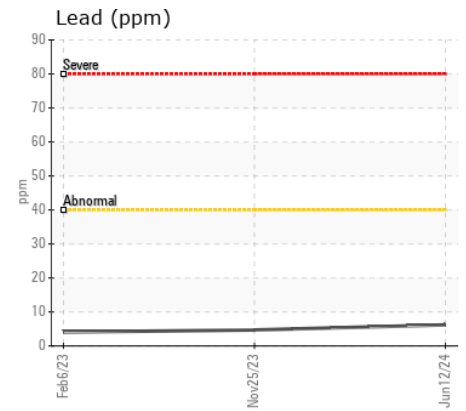
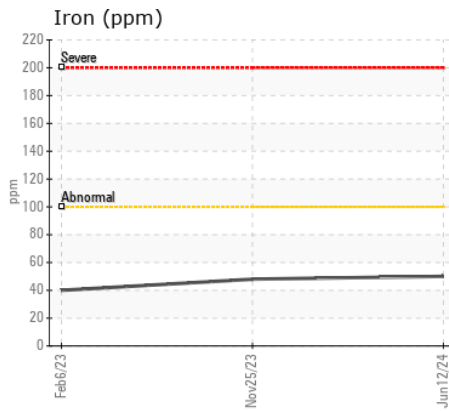
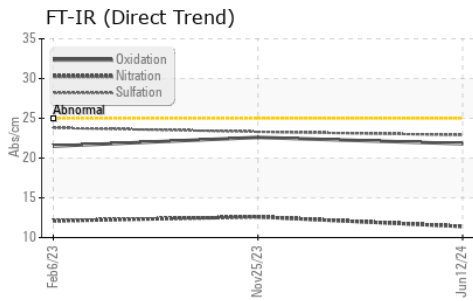
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>6</b>	7	9
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	3	5
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	▲ 2.2
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	0.0
Soot %	%	ASTM D7844*	>3	<b>0.4</b>	0.5	0.5
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.4</b>	12.6	12.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>22.9</b>	23.3	23.8
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	2
Boron	ppm	ASTM D5185(m)	2	<b>4</b>	3	5
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>61</b>	61	63
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	950	<b>975</b>	966	963
Calcium	ppm	ASTM D5185(m)	1050	<b>1099</b>	1065	1237
Phosphorus	ppm	ASTM D5185(m)	995	<b>1011</b>	992	1140
Zinc	ppm	ASTM D5185(m)	1180	<b>1226</b>	1172	1293
Sulfur	ppm	ASTM D5185(m)	2600	<b>2390</b>	2646	2702
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>21.8</b>	22.6	21.5
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	<b>86.1</b>	66.5	91.3
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>12.6</b>	10.5	12.8
Viscosity Index (VI)	Scale	ASTM D2270*	144	<b>143</b>	146	137



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0083422  
**Lab Number** : 02643691  
**Unique Number** : 5801230  
**Test Package** : MOB 1 ( Additional Tests: KV40, VI )  
**Received** : 24 Jun 2024  
**Tested** : 24 Jun 2024  
**Diagnosed** : 24 Jun 2024 - Wes Davis

**ROSS TOWING & TRANSPORTATION SERVICES INC**  
 995 POND MILLS RD  
 LONDON, ON  
 CA N6N 1C3  
 Contact: Dave Ross  
 chris@rosstowing.ca  
 T: (519)685-1212  
 F: (519)668-5790

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.