



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

Machine Id  
**5618**  
 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>GFL0112555</b>	GFL	GFL0039037
Sample Date		Client Info		<b>12 Apr 2024</b>	12 Jul 2023	28 Oct 2021
Machine Age	hrs	Client Info		<b>23747</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
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	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>29</b>	19	14
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>2</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>11</b>	3	2
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	2	<1
Copper	ppm	ASTM D5185(m)	>330	<b>7</b>	5	5
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

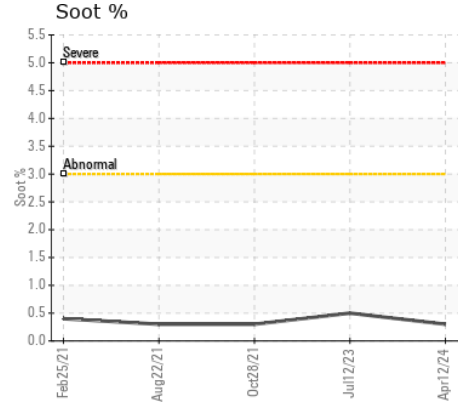
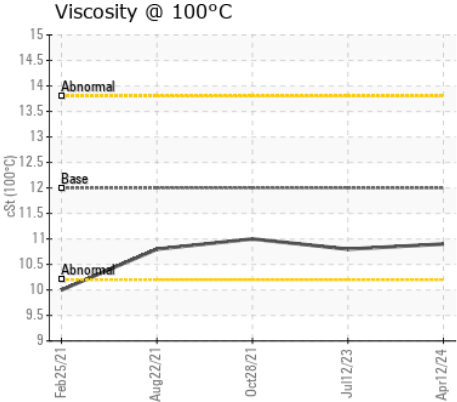
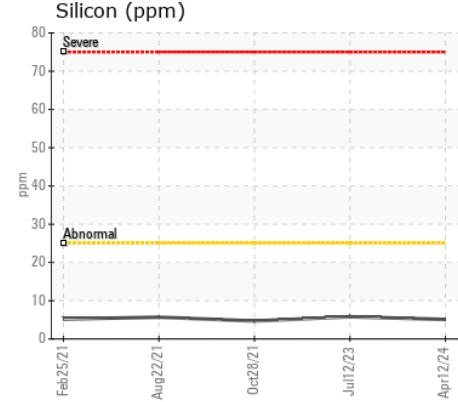
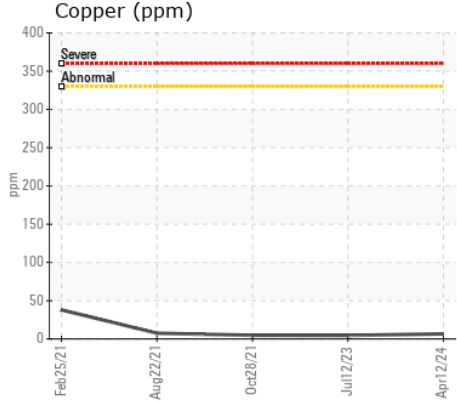
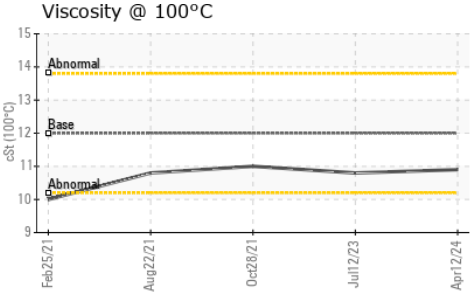
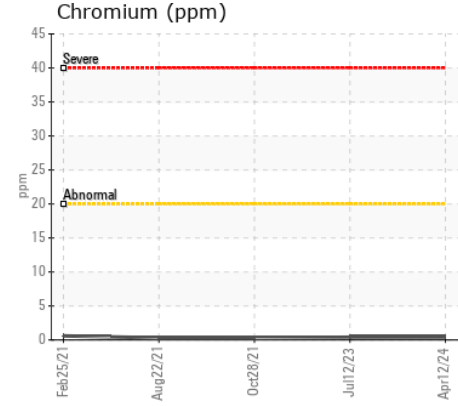
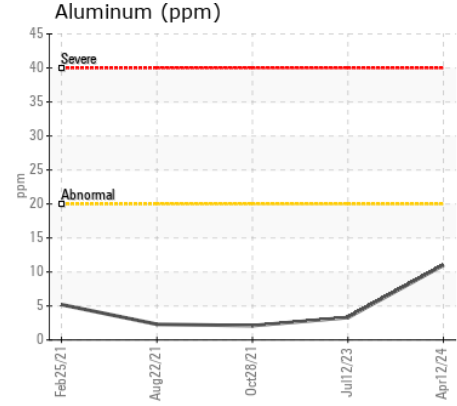
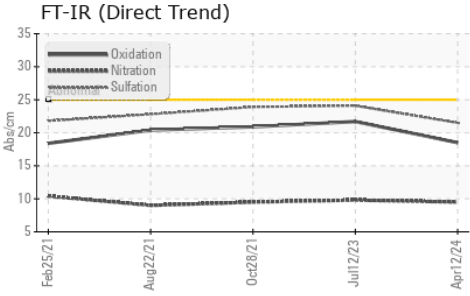
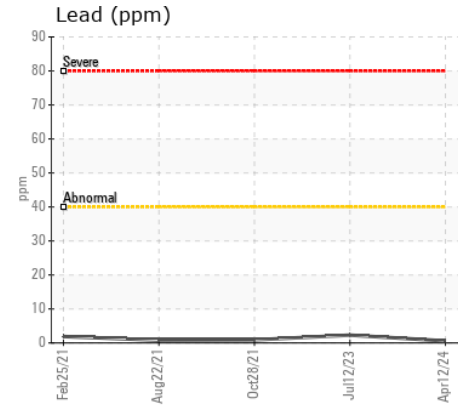
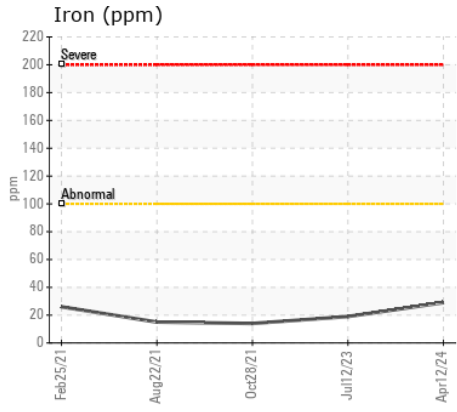
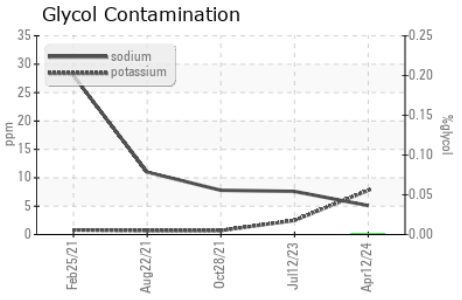
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>5</b>	6	5
Potassium	ppm	ASTM D5185(m)	>20	<b>8</b>	2	<1
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol	%	ASTM D7922*		<b>0.0</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0.3</b>	0.5	0.3
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.5</b>	9.8	9.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>21.5</b>	24.1	23.9
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>5</b>	8	8
Boron	ppm	ASTM D5185(m)	2	<b>1</b>	3	2
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>59</b>	61	58
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	<b>958</b>	1004	985
Calcium	ppm	ASTM D5185(m)	1050	<b>1032</b>	1080	1039
Phosphorus	ppm	ASTM D5185(m)	995	<b>957</b>	1045	1026
Zinc	ppm	ASTM D5185(m)	1180	<b>1158</b>	1230	1229
Sulfur	ppm	ASTM D5185(m)	2600	<b>2132</b>	2201	2248
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>18.5</b>	21.7	20.9
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>10.9</b>	10.8	11.0



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0112555  
**Lab Number** : 02631533  
**Unique Number** : 5772686  
**Test Package** : MOB 1 ( Additional Tests: Glycol )

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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.