

Machine Id  
**0556**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON XL SYN BLEND 15W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0117276</b>	GFL0099608	GFL0091582
Sample Date		Client Info		<b>25 Apr 2024</b>	24 Jan 2024	06 Nov 2023
Machine Age	kms	Client Info		<b>217886</b>	209463	204407
Oil Age	kms	Client Info		<b>0</b>	0	0
Filter Age	kms	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>18</b>	19	18
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	<b>4</b>	4	2
Lead	ppm	ASTM D5185(m)	>40	<b>1</b>	2	4
Copper	ppm	ASTM D5185(m)	>330	<b>1</b>	1	3
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

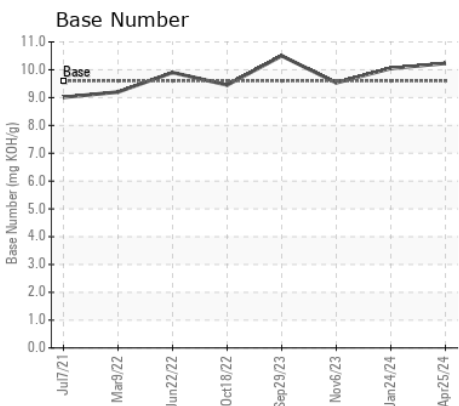
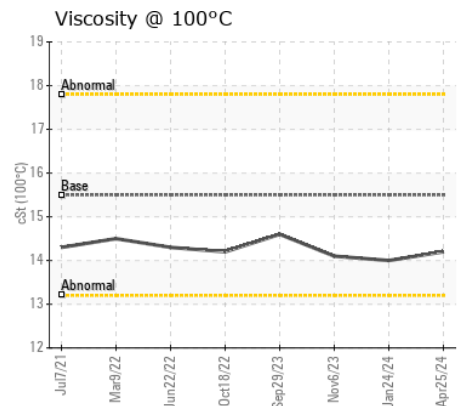
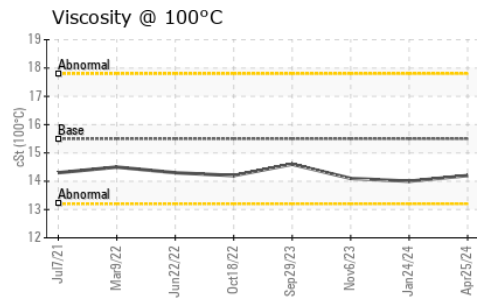
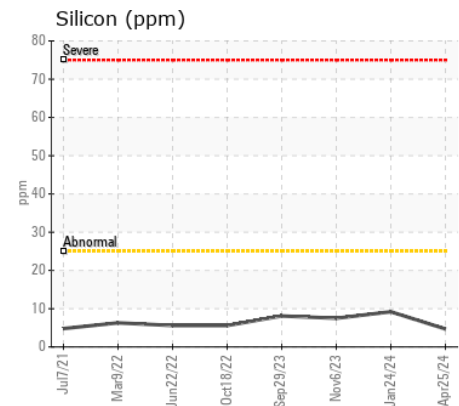
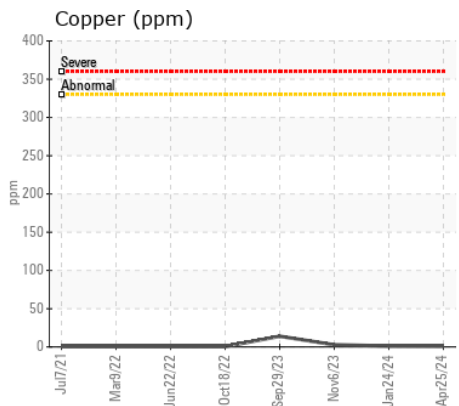
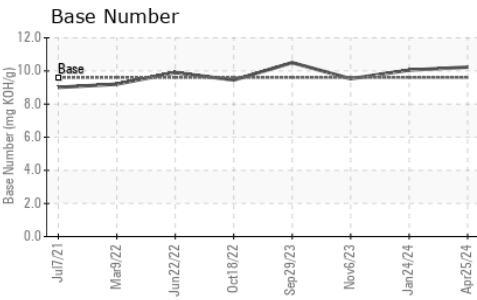
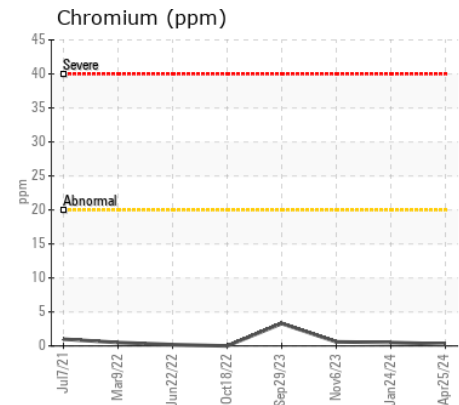
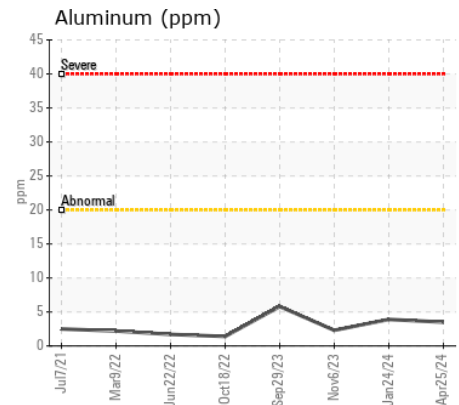
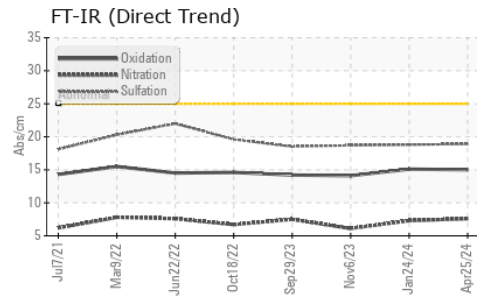
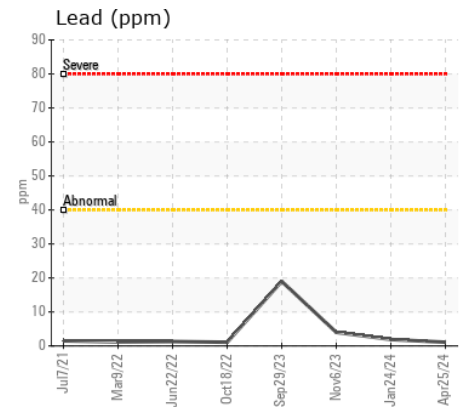
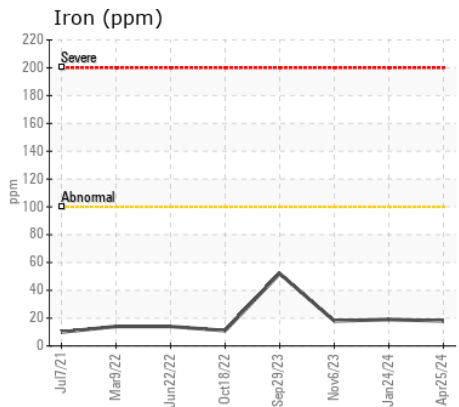
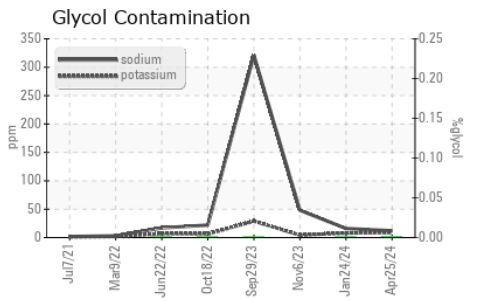
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>5</b>	9	8
Potassium	ppm	ASTM D5185(m)	>20	<b>9</b>	8	4
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>	0.0	NEG
Soot %	%	ASTM D7844*	>3	<b>0.2</b>	0.1	0.1
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.6</b>	7.3	6.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.9</b>	18.8	18.7
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	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)		<b>12</b>	16	48
Boron	ppm	ASTM D5185(m)	1	<b>3</b>	2	3
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	<b>56</b>	56	57
Manganese	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185(m)	1010	<b>911</b>	891	909
Calcium	ppm	ASTM D5185(m)	1070	<b>993</b>	1025	1007
Phosphorus	ppm	ASTM D5185(m)	1150	<b>971</b>	980	976
Zinc	ppm	ASTM D5185(m)	1270	<b>1126</b>	1157	1137
Sulfur	ppm	ASTM D5185(m)	2060	<b>2463</b>	2709	2497
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>15.0</b>	15.1	14.1
Base Number (BN)	mg KOH/g	ASTM D2896*	9.6	<b>10.23</b>	10.05	9.53
Visc @ 100°C	cSt	ASTM D7279(m)	15.5	<b>14.2</b>	14.0	14.1



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0117276  
**Lab Number** : 02632475  
**Unique Number** : 5773628  
**Test Package** : MOB 2 ( Additional Tests: Glycol )

**GFL Environmental - 550 - Rocky View County**  
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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.