



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

Machine Id  
**INTERNATIONAL 829115**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON HP 15W40 (--- GAL)**

**RECOMMENDATION**

Please note that all wear metal and contaminant levels are being considered accumulative. Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes BN to determine the suitability of the oil for continued use.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0122254</b>	---	---
Sample Date		Client Info		<b>19 Jun 2024</b>	---	---
Machine Age	hrs	Client Info		<b>7798</b>	---	---
Oil Age	hrs	Client Info		<b>1018</b>	---	---
Filter Age	hrs	Client Info		<b>1018</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>42</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>24</b>	---	---
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>330	<b>2</b>	---	---
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

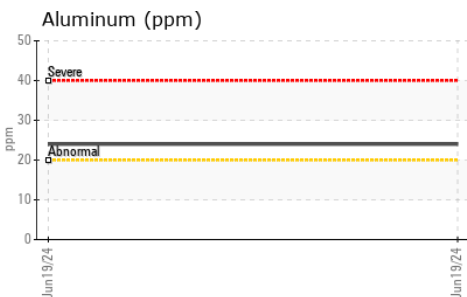
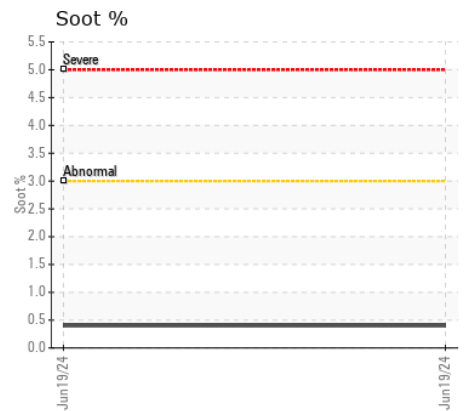
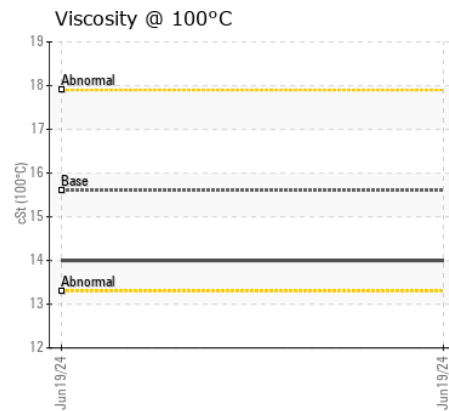
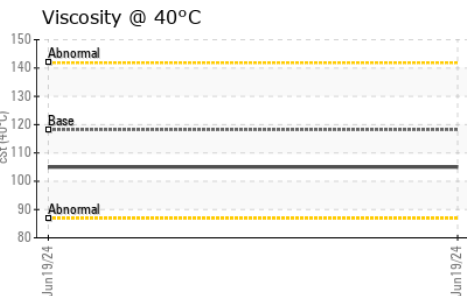
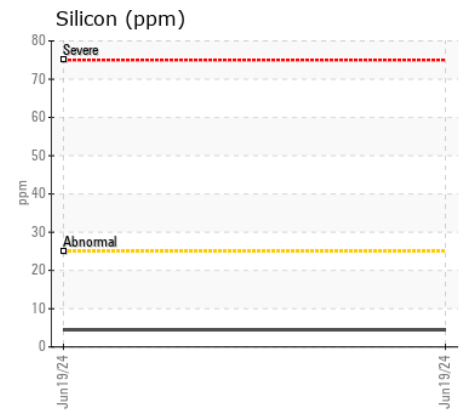
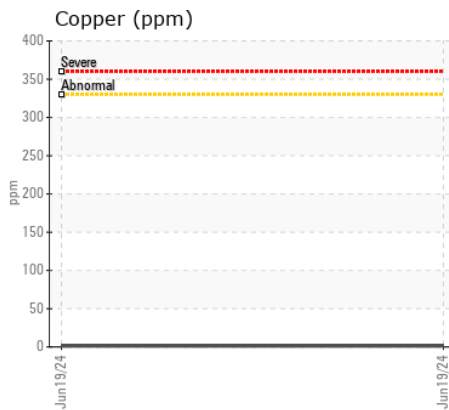
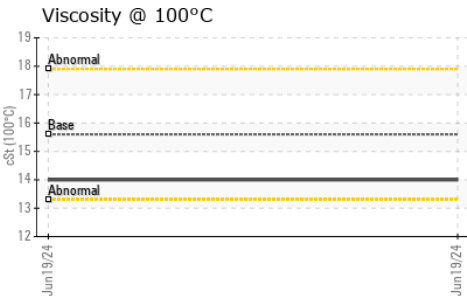
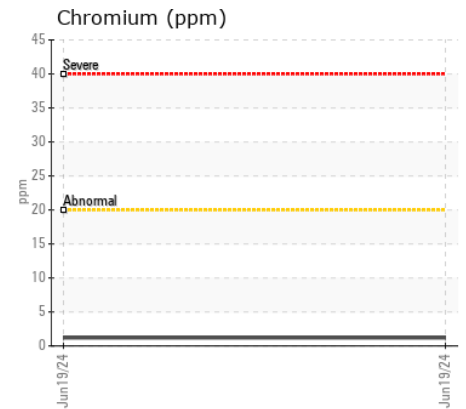
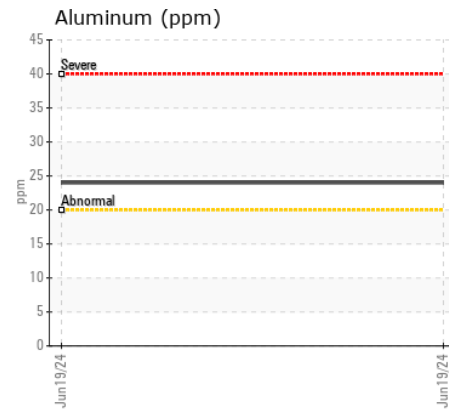
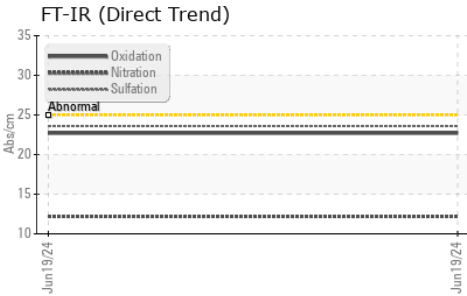
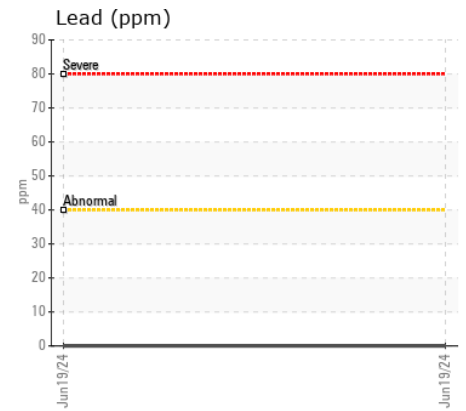
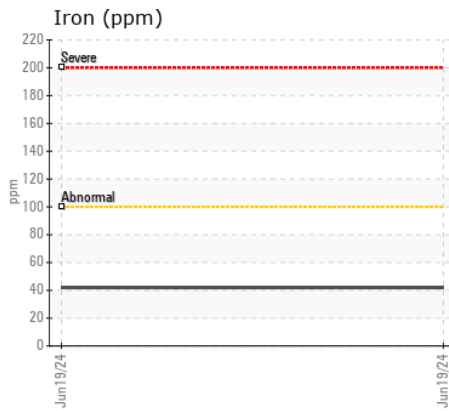
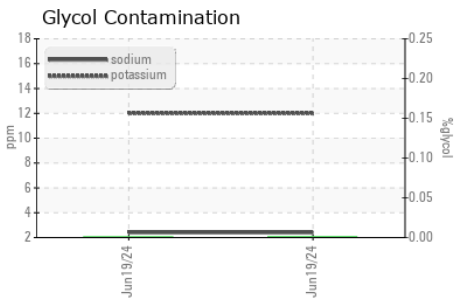
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>4</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>12</b>	---	---
Fuel		WC Method	>2.0	<b>&lt;1.0</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Glycol	%	ASTM D7922*		<b>0.0</b>	---	---
Soot %	%	ASTM D7844*	>3	<b>0.4</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>12.2</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>23.6</b>	---	---
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>	---	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>2</b>	---	---
Boron	ppm	ASTM D5185(m)	0	<b>2</b>	---	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	60	<b>65</b>	---	---
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m)	1010	<b>1053</b>	---	---
Calcium	ppm	ASTM D5185(m)	1070	<b>1146</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>1049</b>	---	---
Zinc	ppm	ASTM D5185(m)	1270	<b>1301</b>	---	---
Sulfur	ppm	ASTM D5185(m)	2060	<b>2364</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>22.7</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	<b>105</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	<b>14.0</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	139	<b>134</b>	---	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0122254  
**Lab Number** : 02644523  
**Unique Number** : 5802062  
**Test Package** : MOB 1 ( Additional Tests: Glycol, KV40, VI, Visual )

**GFL Environmental - 987 - Charlottetown**  
 7 Superior Crescent  
 Charlottetown, PE  
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 Contact: Vicki Metcalfe  
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 T: (782)377-5918  
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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.*