



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
101018
Component
Diesel Engine
Fluid
PETRO CANADA DURON SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0118578	GFL0107896	---
Sample Date		Client Info		23 May 2024	12 Mar 2024	---
Machine Age	kms	Client Info		338008	330796	---
Oil Age	kms	Client Info		0	0	---
Filter Age	kms	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>110	8	5	---
Chromium	ppm	ASTM D5185(m)	>4	<1	0	---
Nickel	ppm	ASTM D5185(m)	>2	0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>2	0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	1	1	---
Lead	ppm	ASTM D5185(m)	>45	<1	0	---
Copper	ppm	ASTM D5185(m)	>85	<1	<1	---
Tin	ppm	ASTM D5185(m)	>4	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

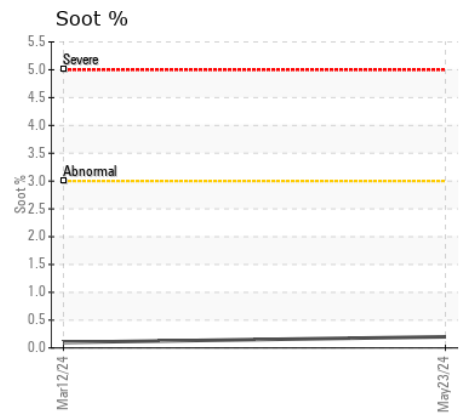
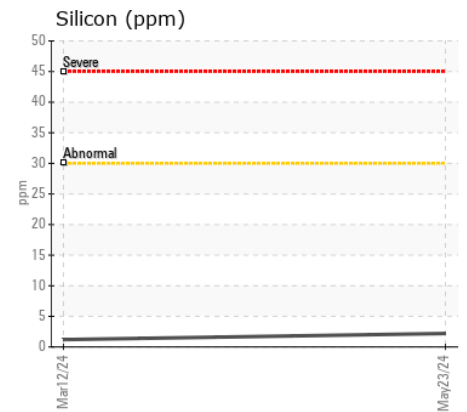
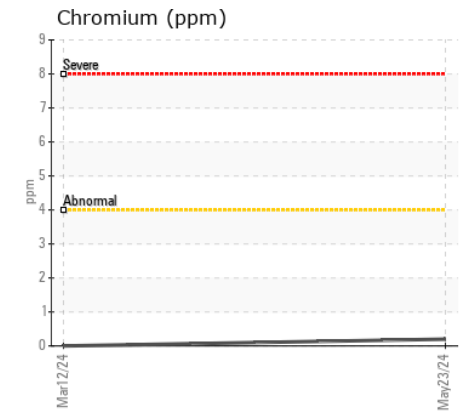
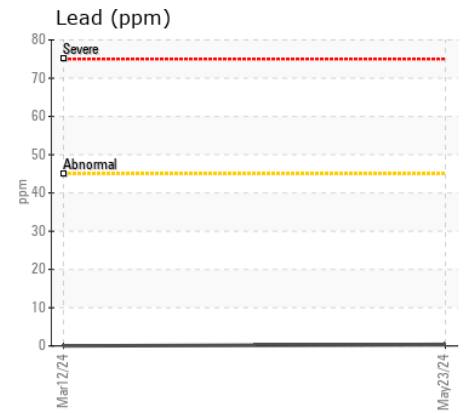
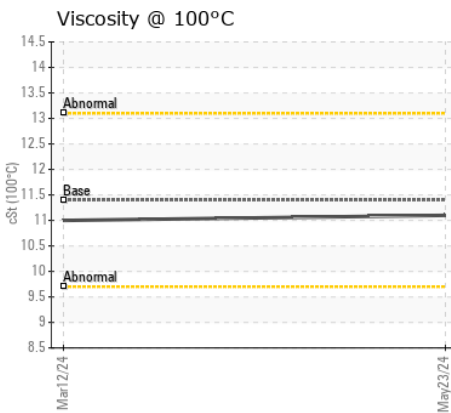
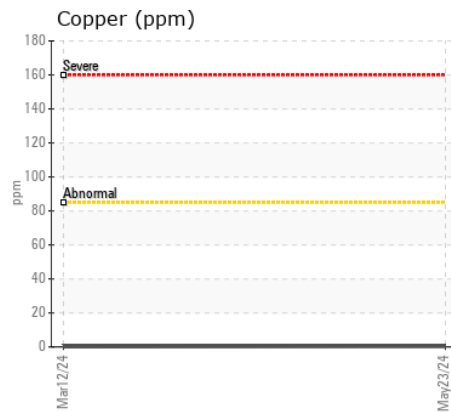
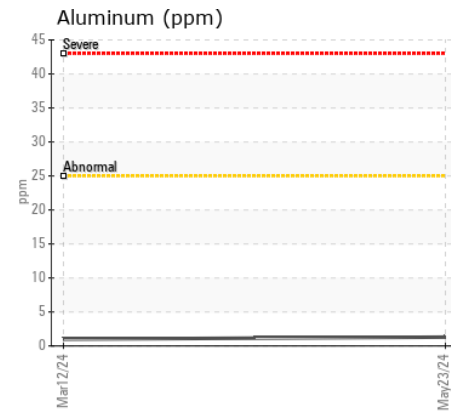
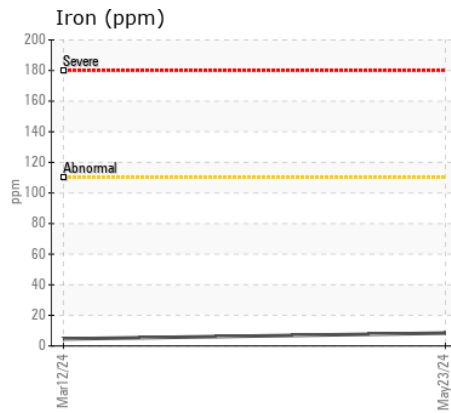
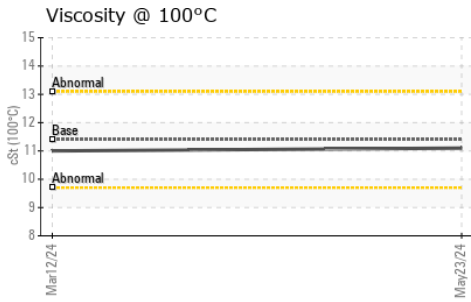
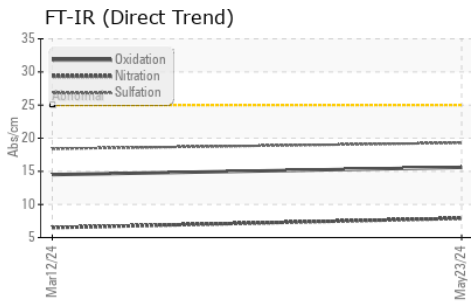
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	2	1	---
Potassium	ppm	ASTM D5185(m)	>20	3	<1	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0.2	0.1	---
Nitration	Abs/cm	ASTM D7624*	>20	7.9	6.5	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.3	18.4	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		1	1	---
Boron	ppm	ASTM D5185(m)	1	6	8	---
Barium	ppm	ASTM D5185(m)	1	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	1	61	60	---
Manganese	ppm	ASTM D5185(m)	1	0	0	---
Magnesium	ppm	ASTM D5185(m)	10	1004	988	---
Calcium	ppm	ASTM D5185(m)	2942	1112	1065	---
Phosphorus	ppm	ASTM D5185(m)	1102	995	1003	---
Zinc	ppm	ASTM D5185(m)	1351	1201	1190	---
Sulfur	ppm	ASTM D5185(m)	3903	2511	2591	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.6	14.5	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	11.1	11.0	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0118578
Lab Number : 02639580
Unique Number : 5788742
Test Package : MOB 1

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 CA R3T 3L6
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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.