



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
901068
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 15W40 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0097991	GFL0082129	---
Sample Date		Client Info		12 Apr 2024	28 Jul 2023	---
Machine Age	hrs	Client Info		21160	19737	---
Oil Age	hrs	Client Info		299	630	---
Filter Age	hrs	Client Info		299	630	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>120	5	8	---
Chromium	ppm	ASTM D5185(m)	>20	0	0	---
Nickel	ppm	ASTM D5185(m)	>5	<1	0	---
Titanium	ppm	ASTM D5185(m)	>2	0	0	---
Silver	ppm	ASTM D5185(m)	>2	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	2	2	---
Lead	ppm	ASTM D5185(m)	>40	0	<1	---
Copper	ppm	ASTM D5185(m)	>330	<1	<1	---
Tin	ppm	ASTM D5185(m)	>15	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

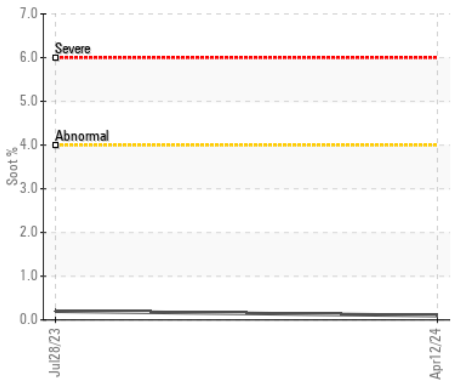
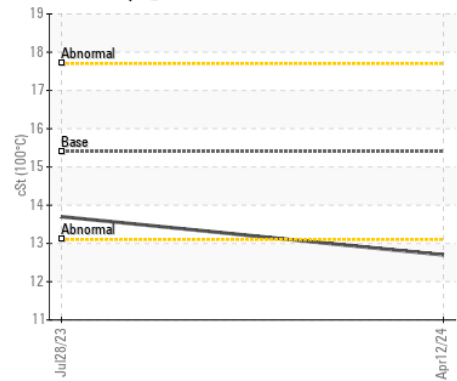
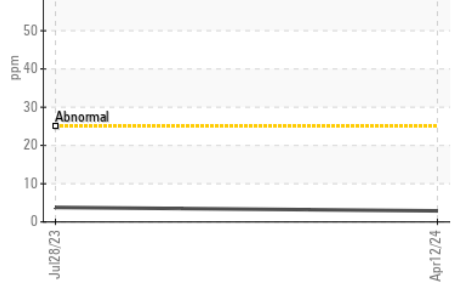
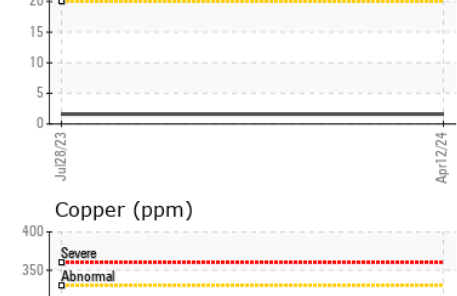
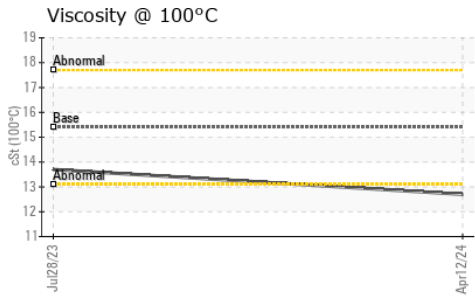
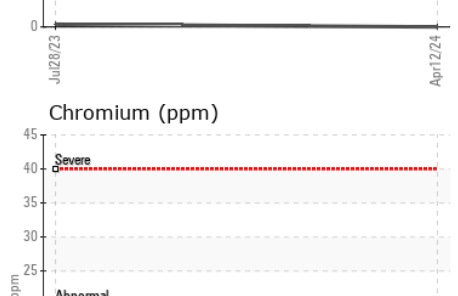
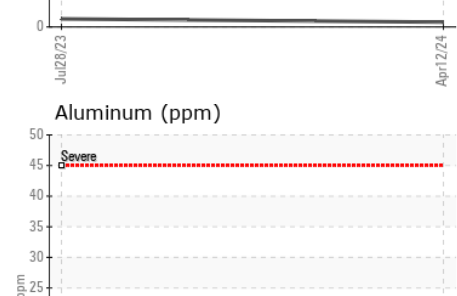
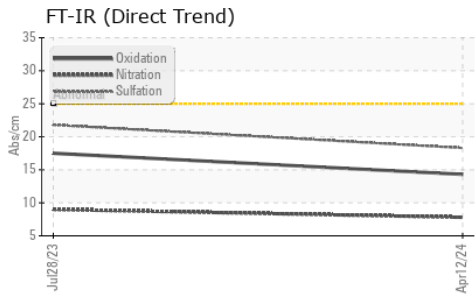
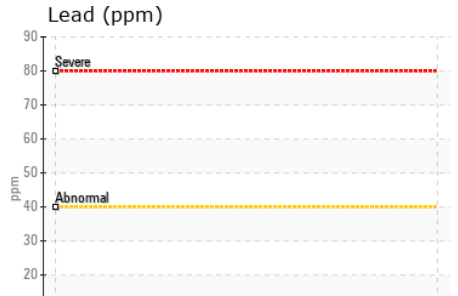
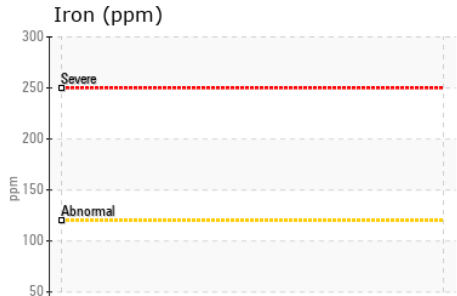
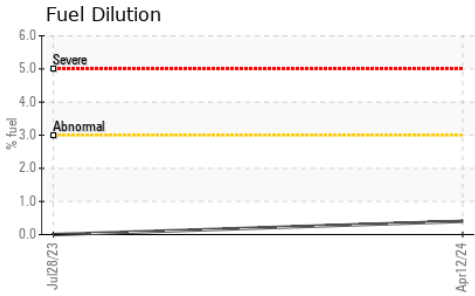
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	3	4	---
Potassium	ppm	ASTM D5185(m)	>20	1	<1	---
Fuel	%	ASTM D7593*	>3.0	0.4	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>4	0.1	0.2	---
Nitration	Abs/cm	ASTM D7624*	>20	7.8	9.0	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.3	21.8	---
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)		8	10	---
Boron	ppm	ASTM D5185(m)	0	5	4	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	60	49	59	---
Manganese	ppm	ASTM D5185(m)	0	0	<1	---
Magnesium	ppm	ASTM D5185(m)	1010	771	973	---
Calcium	ppm	ASTM D5185(m)	1070	964	1025	---
Phosphorus	ppm	ASTM D5185(m)	1150	818	1004	---
Zinc	ppm	ASTM D5185(m)	1270	984	1165	---
Sulfur	ppm	ASTM D5185(m)	2060	2337	2390	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.3	17.5	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	12.7	13.7	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0097991 **Received** : 02 Jul 2024
Lab Number : 02644794 **Tested** : 03 Jul 2024
Unique Number : 5802333 **Diagnosed** : 03 Jul 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

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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.