



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
EX0354 CX210B
Component
Rear Diesel Engine
Fluid
PETRO CANADA DURON SHP 15W40 (24 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: Check for antifreeze)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0113429	GFL0092228	---
Sample Date		Client Info		20 Jun 2024	08 Apr 2024	---
Machine Age	hrs	Client Info		25281	24807	---
Oil Age	hrs	Client Info		474	500	---
Filter Age	hrs	Client Info		474	500	---
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)	>100	11	15	---
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>4	0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	2	3	---
Lead	ppm	ASTM D5185(m)	>40	<1	3	---
Copper	ppm	ASTM D5185(m)	>330	<1	1	---
Tin	ppm	ASTM D5185(m)	>15	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

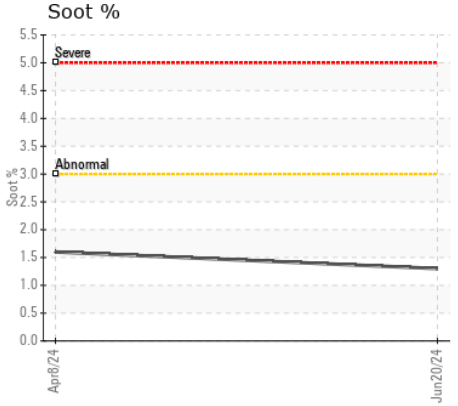
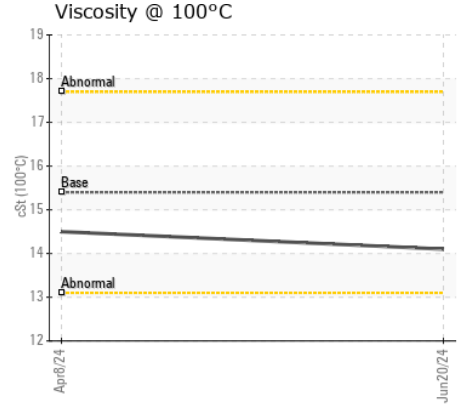
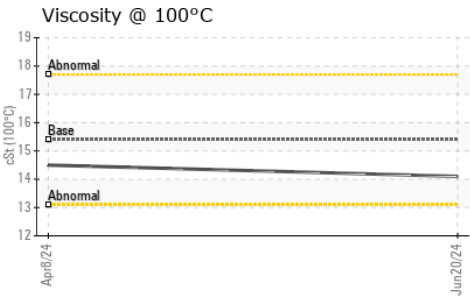
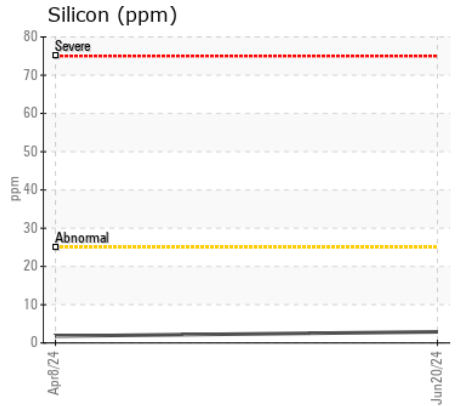
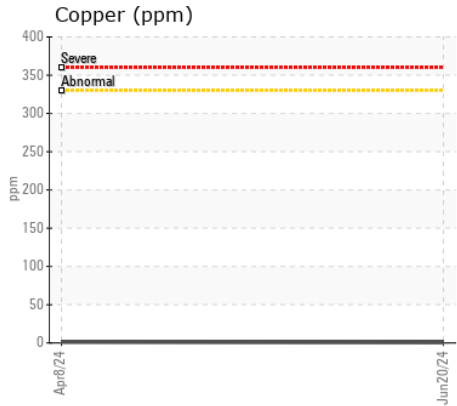
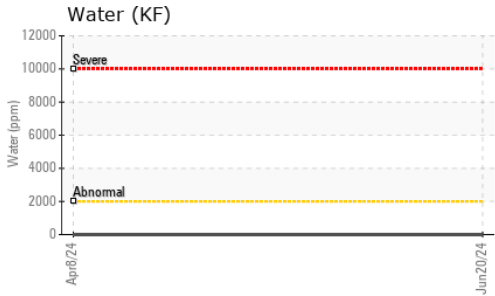
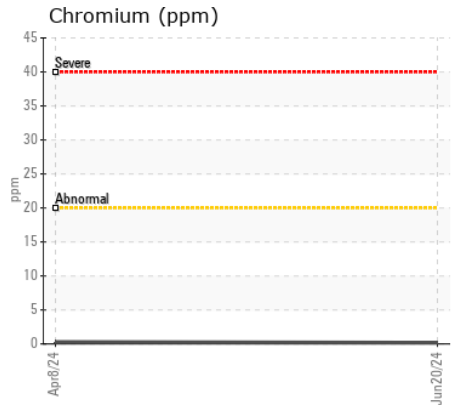
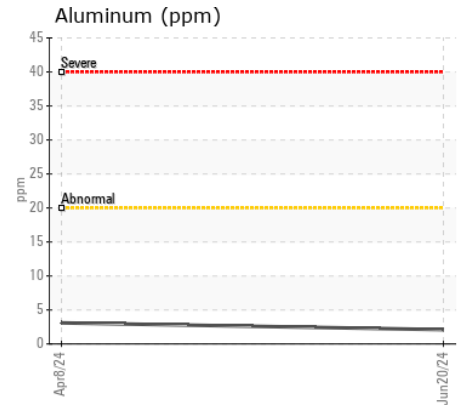
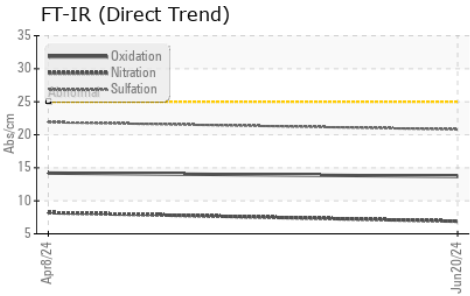
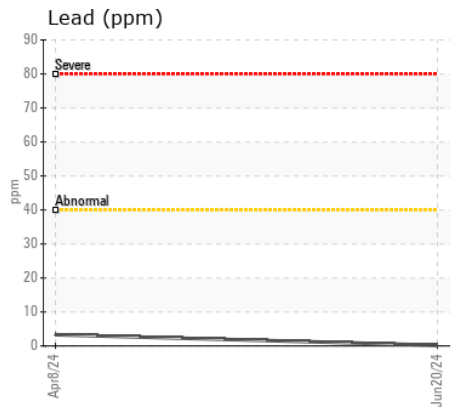
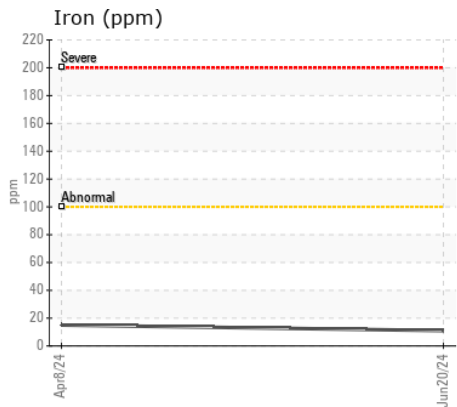
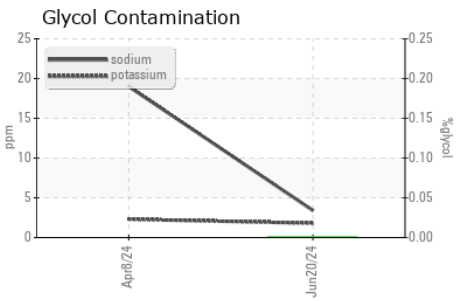
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	3	2	---
Potassium	ppm	ASTM D5185(m)	>20	2	2	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water	%	ASTM D6304*	>0.2	0.00	---	---
ppm Water	ppm	ASTM D6304*	>2000	0	---	---
Glycol	%	ASTM D7922*		0.0	NEG	---
Soot %	%	ASTM D7844*	>3	1.3	1.6	---
Nitration	Abs/cm	ASTM D7624*	>20	6.9	8.2	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.8	21.9	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
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)		3	19	---
Boron	ppm	ASTM D5185(m)	0	23	8	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	60	48	59	---
Manganese	ppm	ASTM D5185(m)	0	<1	<1	---
Magnesium	ppm	ASTM D5185(m)	1010	750	941	---
Calcium	ppm	ASTM D5185(m)	1070	1294	1376	---
Phosphorus	ppm	ASTM D5185(m)	1150	946	1004	---
Zinc	ppm	ASTM D5185(m)	1270	1159	1252	---
Sulfur	ppm	ASTM D5185(m)	2060	2470	2411	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.7	14.2	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	14.1	14.5	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113429 **Received** : 25 Jun 2024
Lab Number : 02644010 **Tested** : 27 Jun 2024
Unique Number : 5801549 **Diagnosed** : 27 Jun 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol, KF, Visual)

GFL Environmental - 720 - Lafleche - Landfill
 17125 Lafleche Road,
 Moose Creek, ON
 CA K0C 1W0
 Contact: Charles Bergeron
 cbergeron@gflenv.com
 T: (613)538-4853
 F:

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.