



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
1525
 Component
Rear Diesel Engine
 Fluid
PETRO CANADA DURON HP 15W40 (24 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0082765	PC0081673	PC0076648
Sample Date		Client Info		15 Apr 2024	02 Feb 2024	22 Nov 2023
Machine Age	kms	Client Info		588708	574638	561743
Oil Age	kms	Client Info		14070	12895	13203
Filter Age	kms	Client Info		14070	12895	13203
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	22	24	24
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	3	3
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)	>330	3	2	3
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

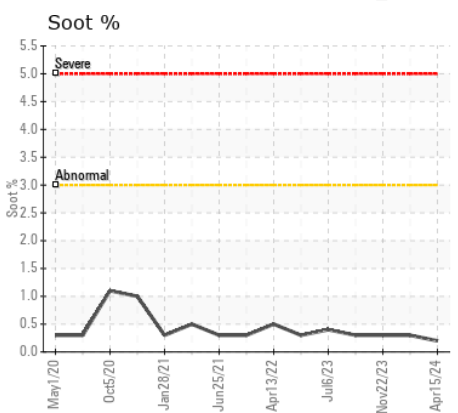
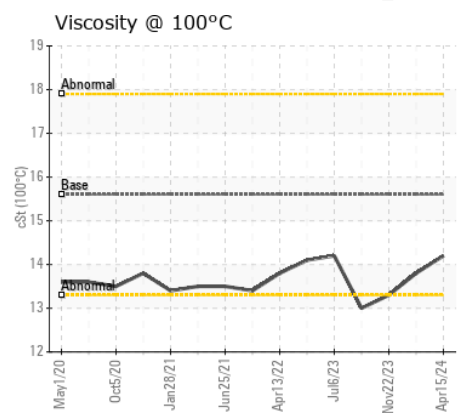
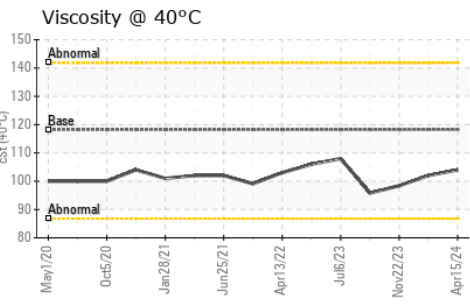
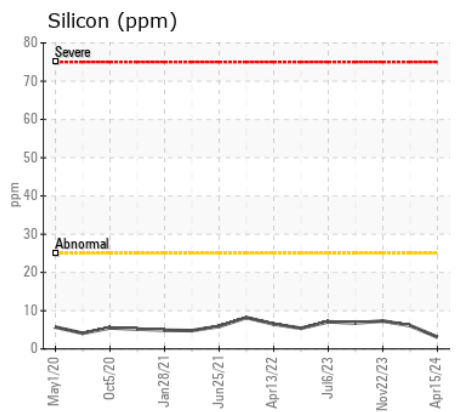
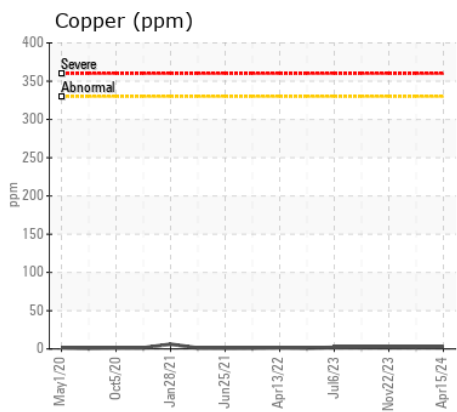
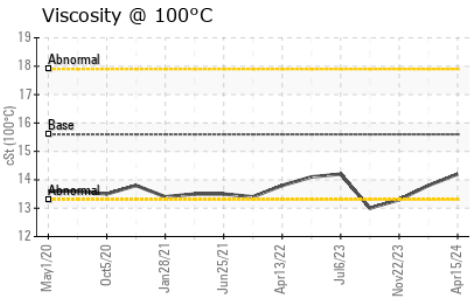
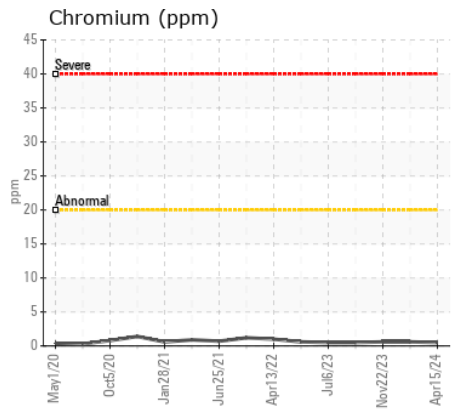
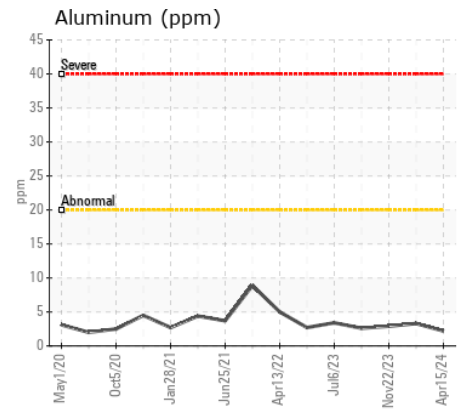
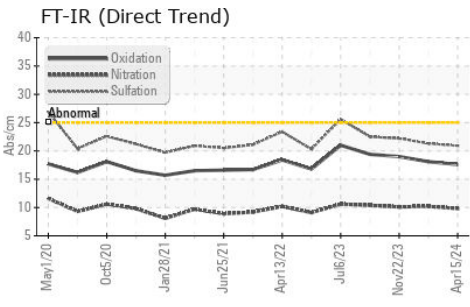
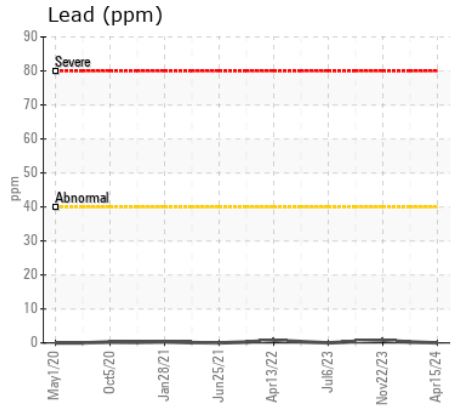
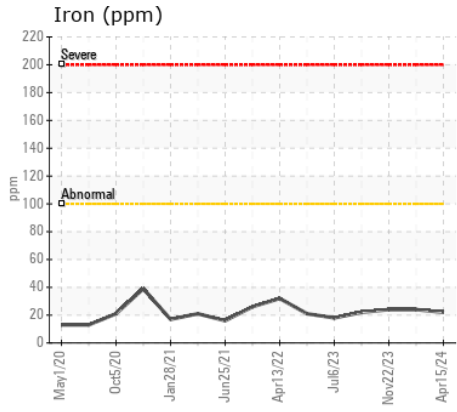
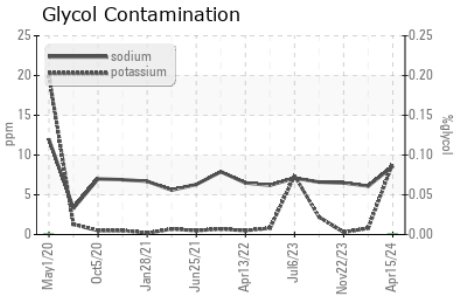
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	3	6	7
Potassium	ppm	ASTM D5185(m)	>20	9	<1	<1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.2	0.3	0.3
Nitration	Abs/cm	ASTM D7624*	>20	9.8	10.2	10.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.9	21.3	22.2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		9	6	6
Boron	ppm	ASTM D5185(m)	0	2	3	6
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	62	61	59
Manganese	ppm	ASTM D5185(m)	0	<1	0	0
Magnesium	ppm	ASTM D5185(m)	1010	1009	979	960
Calcium	ppm	ASTM D5185(m)	1070	1123	1150	1187
Phosphorus	ppm	ASTM D5185(m)	1150	1012	1030	1046
Zinc	ppm	ASTM D5185(m)	1270	1242	1242	1274
Sulfur	ppm	ASTM D5185(m)	2060	2460	2707	2620
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.6	18.1	19.0
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	104	102	98.4
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	14.2	13.8	13.3
Viscosity Index (VI)	Scale	ASTM D2270*	139	139	136	133



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0082765 **Received** : 03 May 2024
Lab Number : **02633047** **Tested** : 03 May 2024
Unique Number : 5774200 **Diagnosed** : 03 May 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: Glycol, KV40, VI)
 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.

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