



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
1629
 Component
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		PC0081942	PC0082737	PC0076695
Sample Date		Client Info		26 Apr 2024	07 Feb 2024	22 Nov 2023
Machine Age	kms	Client Info		550436	535910	521481
Oil Age	kms	Client Info		14229	14429	13213
Filter Age	kms	Client Info		14229	14429	13213
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ATTENTION	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	20	10	20
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	2
Nickel	ppm	ASTM D5185(m)	>4	<1	<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	2	3
Lead	ppm	ASTM D5185(m)	>40	0	0	<1
Copper	ppm	ASTM D5185(m)	>330	26	3	3
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

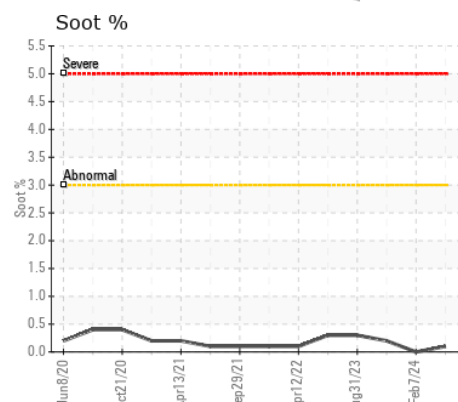
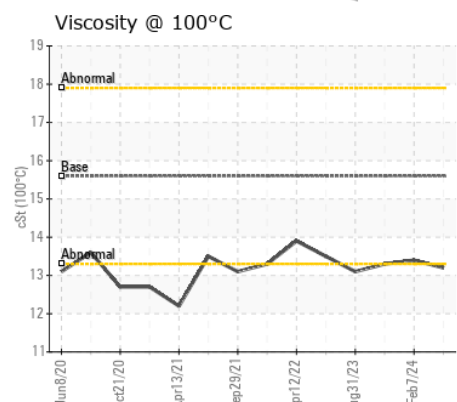
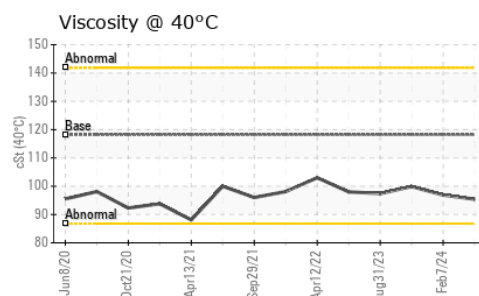
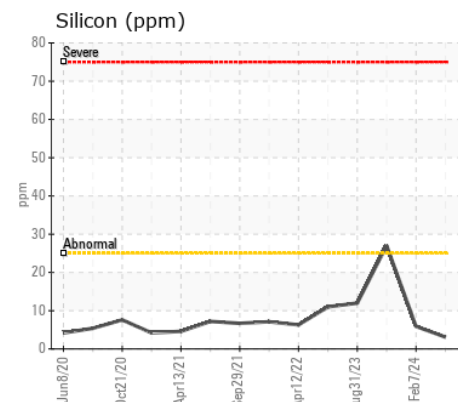
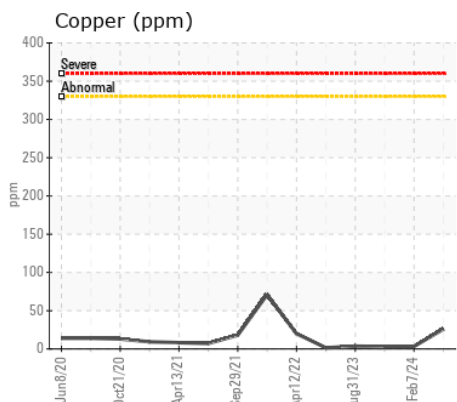
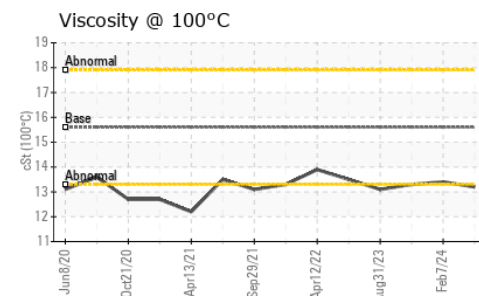
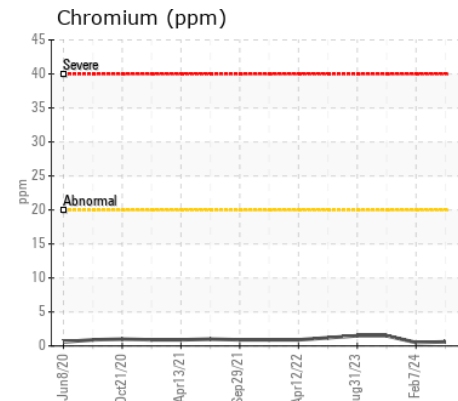
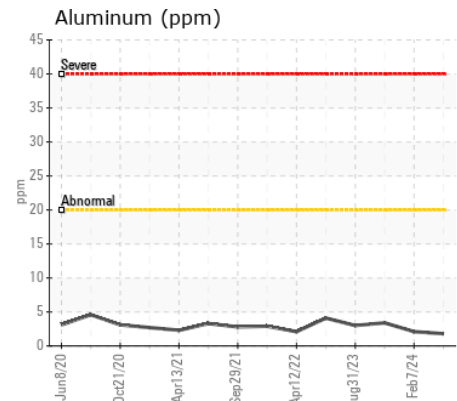
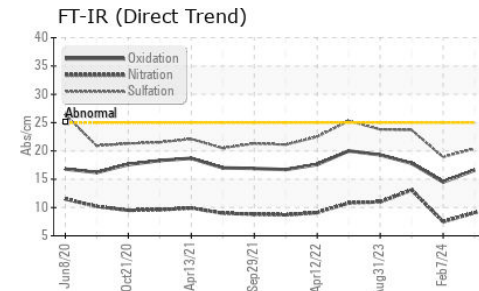
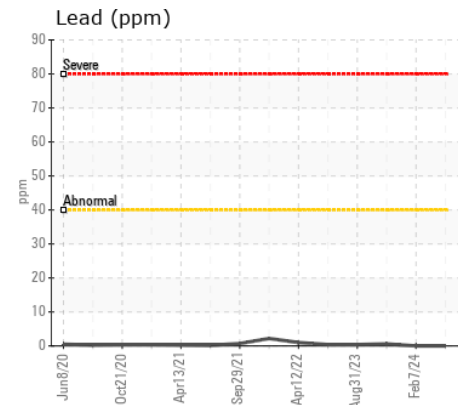
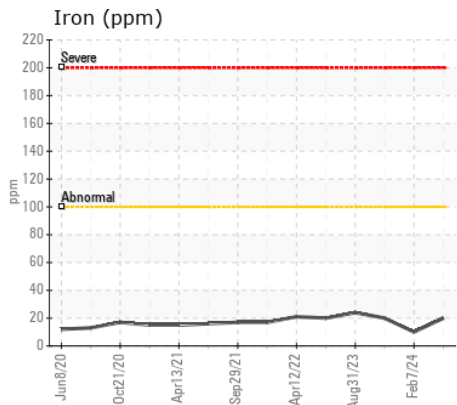
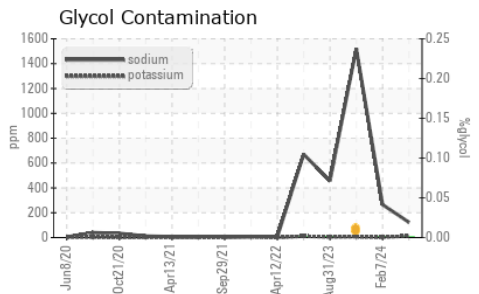
Test for glycol is negative. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	3	6	27
Potassium	ppm	ASTM D5185(m)	>20	13	2	▲ 6
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	0.0	▲ 0.017
Soot %	%	ASTM D7844*	>3	0.1	0	0.2
Nitration	Abs/cm	ASTM D7624*	>20	9.1	7.5	13.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.4	18.9	23.7
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)		123	● 265	● 1520
Boron	ppm	ASTM D5185(m)	0	2	9	29
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	66	66	118
Manganese	ppm	ASTM D5185(m)	0	<1	0	0
Magnesium	ppm	ASTM D5185(m)	1010	1023	934	959
Calcium	ppm	ASTM D5185(m)	1070	1137	1141	1164
Phosphorus	ppm	ASTM D5185(m)	1150	1014	1014	1094
Zinc	ppm	ASTM D5185(m)	1270	1250	1170	1270
Sulfur	ppm	ASTM D5185(m)	2060	2447	2849	2652
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.6	14.5	17.8
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	95.4	96.9	99.9
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	13.2	13.4	13.3
Viscosity Index (VI)	Scale	ASTM D2270*	139	137	137	131



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0081942 **Received** : 03 May 2024
Lab Number : 02633049 **Tested** : 03 May 2024
Unique Number : 5774202 **Diagnosed** : 03 May 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: Glycol, KV40, VI)

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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.