



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
1626
 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		PC0082763	PC0081664	PC0076688
Sample Date		Client Info		08 Apr 2024	23 Jan 2024	22 Nov 2023
Machine Age	kms	Client Info		481915	469345	449551
Oil Age	kms	Client Info		12271	13407	6710
Filter Age	kms	Client Info		12271	13407	6710
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	MARGINAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	29	31	31
Chromium	ppm	ASTM D5185(m)	>20	<1	2	<1
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	3	3	4
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)	>330	2	2	3
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

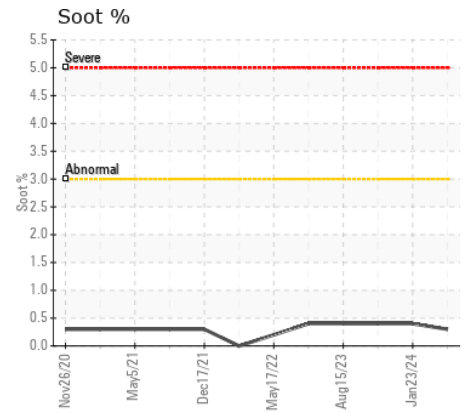
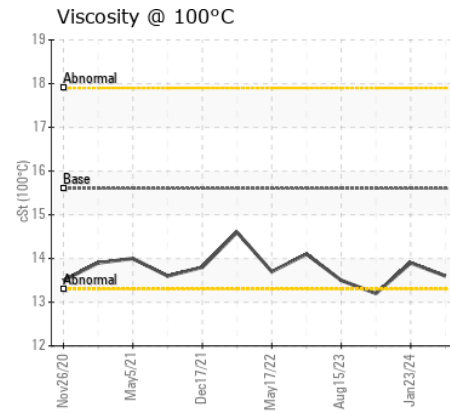
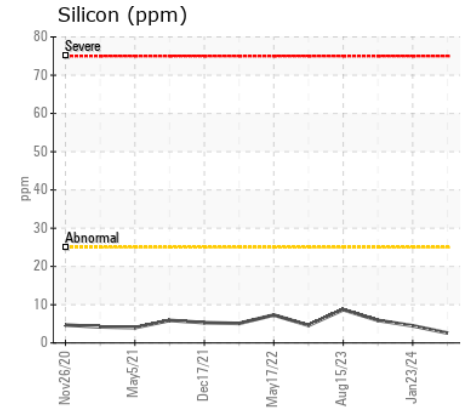
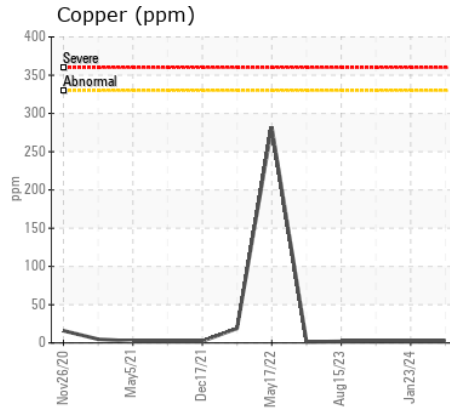
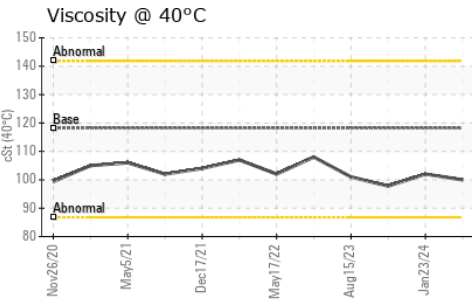
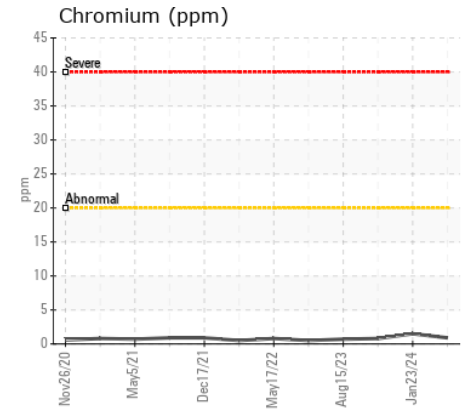
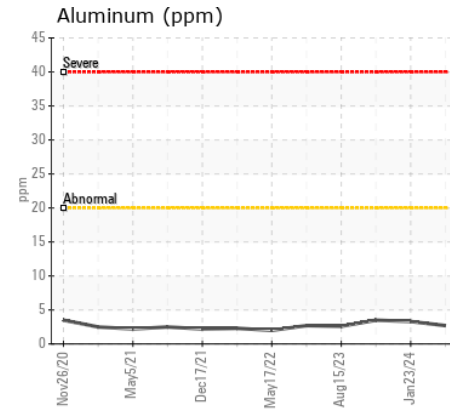
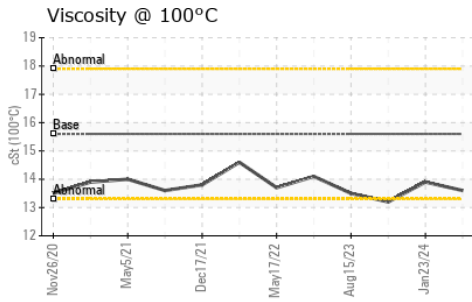
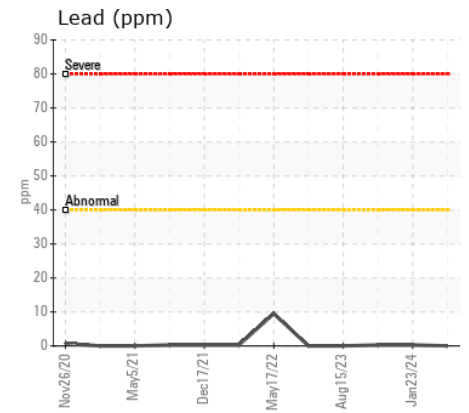
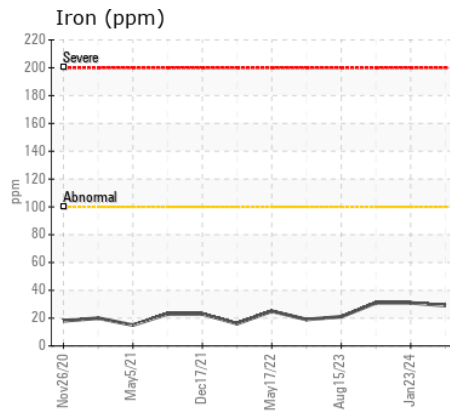
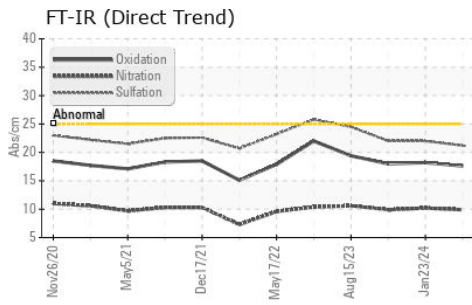
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	3	4	6
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Fuel		WC Method	>5	<1.0	<1.0	▲ 2.1
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.3	0.4	0.4
Nitration	Abs/cm	ASTM D7624*	>20	9.9	10.2	9.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.2	22.0	22.0
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)		7	9	12
Boron	ppm	ASTM D5185(m)	0	5	3	4
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	64	63	60
Manganese	ppm	ASTM D5185(m)	0	<1	0	0
Magnesium	ppm	ASTM D5185(m)	1010	1018	1010	969
Calcium	ppm	ASTM D5185(m)	1070	1217	1187	1199
Phosphorus	ppm	ASTM D5185(m)	1150	1035	1057	1085
Zinc	ppm	ASTM D5185(m)	1270	1254	1276	1279
Sulfur	ppm	ASTM D5185(m)	2060	2605	2686	2488
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.6	18.2	18.0
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	100	102	97.8
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	13.6	13.9	13.2
Viscosity Index (VI)	Scale	ASTM D2270*	139	136	137	133



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0082763 **Received** : 15 Apr 2024
Lab Number : 02628722 **Tested** : 15 Apr 2024
Unique Number : 5761854 **Diagnosed** : 15 Apr 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: 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.