



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
0755
 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		PC0082758	PC0082731	PC0062038
Sample Date		Client Info		23 Apr 2024	08 Feb 2024	19 Oct 2023
Machine Age	kms	Client Info		980248	966717	947525
Oil Age	kms	Client Info		13396	18871	13074
Filter Age	kms	Client Info		13396	18871	13074
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	27	31	33
Chromium	ppm	ASTM D5185(m)	>20	1	2	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	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	3	2
Lead	ppm	ASTM D5185(m)	>40	10	14	4
Copper	ppm	ASTM D5185(m)	>330	347	488	2
Tin	ppm	ASTM D5185(m)	>15	1	3	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

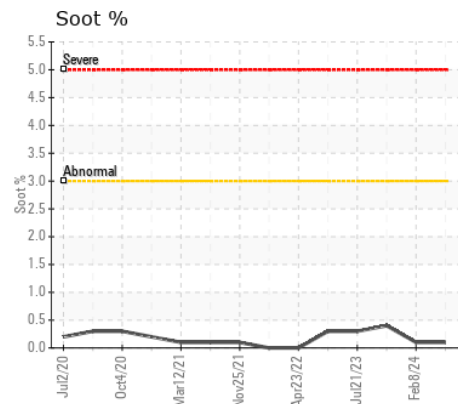
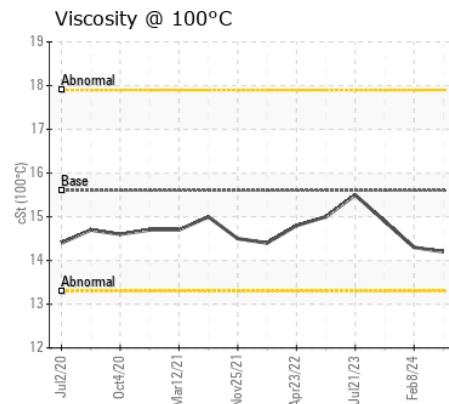
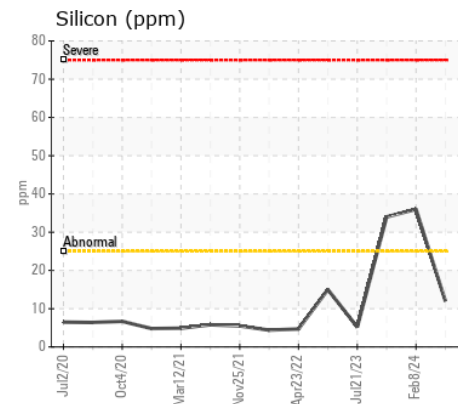
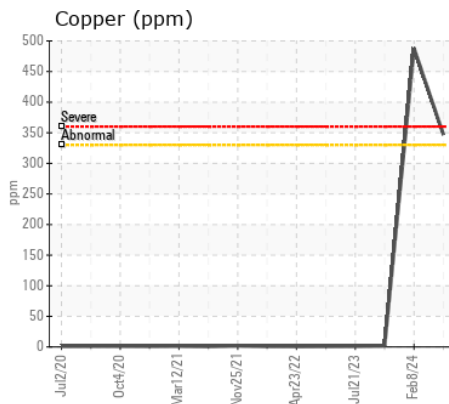
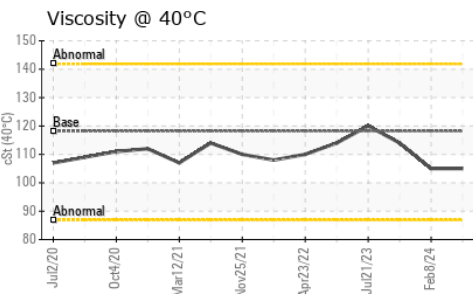
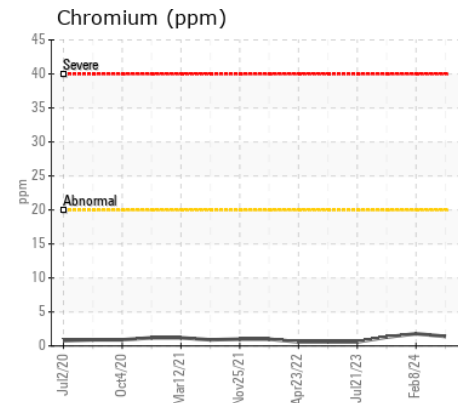
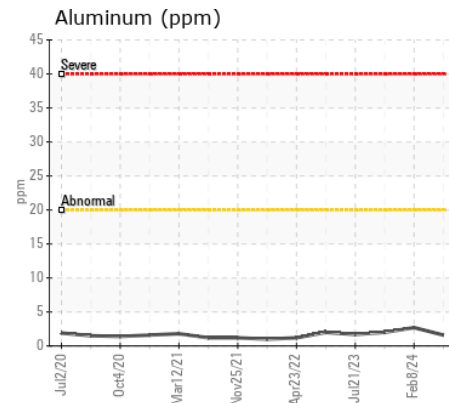
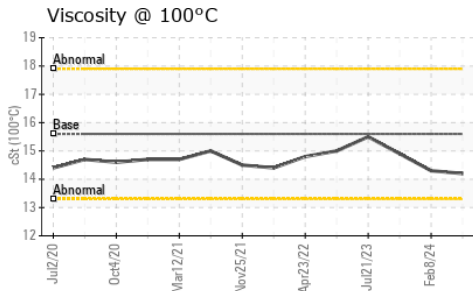
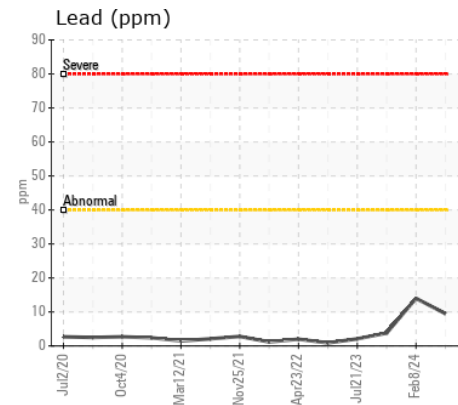
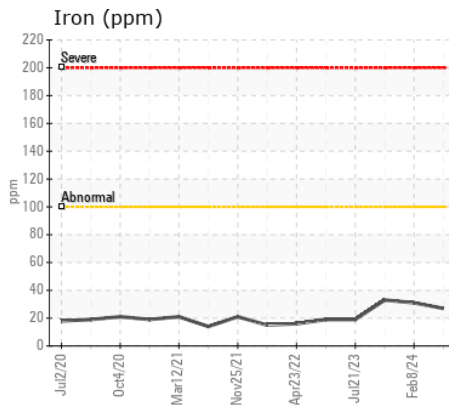
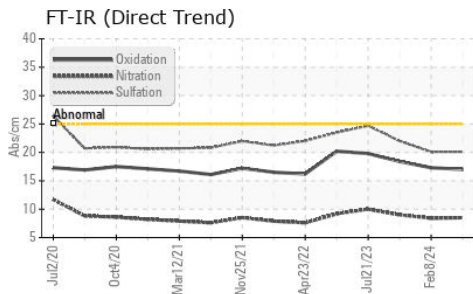
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	12	▲ 36	▲ 34
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	0.0	NEG
Soot %	%	ASTM D7844*	>3	0.1	0.1	0.4
Nitration	Abs/cm	ASTM D7624*	>20	8.5	8.4	9.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.1	20.1	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	10	7
Boron	ppm	ASTM D5185(m)	0	2	2	12
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	61	61	60
Manganese	ppm	ASTM D5185(m)	0	<1	1	0
Magnesium	ppm	ASTM D5185(m)	1010	1009	1014	942
Calcium	ppm	ASTM D5185(m)	1070	1115	1109	1339
Phosphorus	ppm	ASTM D5185(m)	1150	967	992	1039
Zinc	ppm	ASTM D5185(m)	1270	1218	1210	1308
Sulfur	ppm	ASTM D5185(m)	2060	2017	2348	2561
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.0	17.3	18.4
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	105	105	114
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	14.2	14.3	14.9
Viscosity Index (VI)	Scale	ASTM D2270*	139	137	139	135



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0082758 **Received** : 29 May 2024
Lab Number : 02638330 **Tested** : 29 May 2024
Unique Number : 5787492 **Diagnosed** : 29 May 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.