



Machine Id  
**1204**  
 Component  
**Rear Diesel Engine**  
 Fluid  
**PETRO CANADA DURON HP 15W40 (24 LTR)**

**RECOMMENDATION**

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

**WEAR**

All component wear rates are normal.

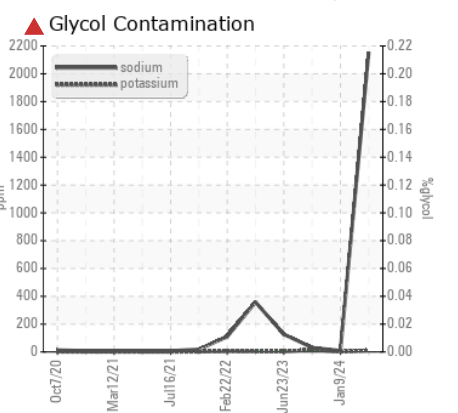
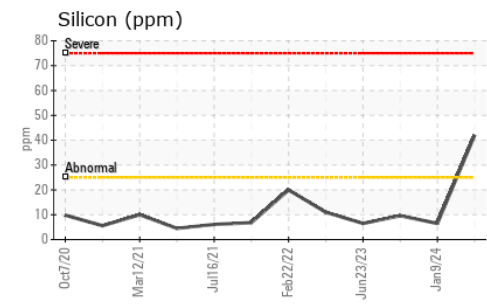
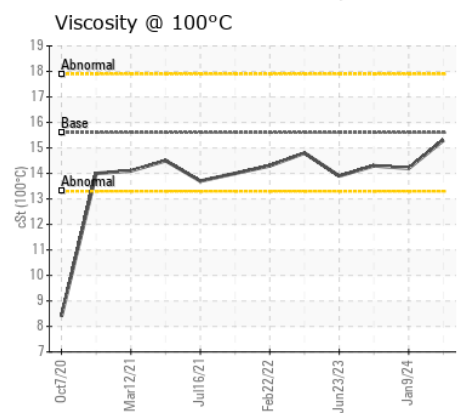
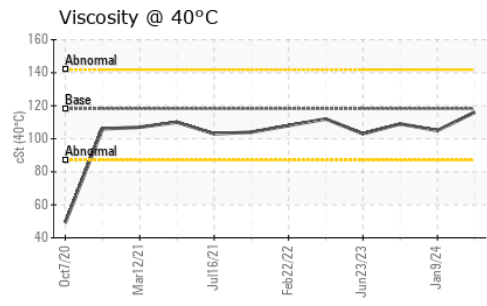
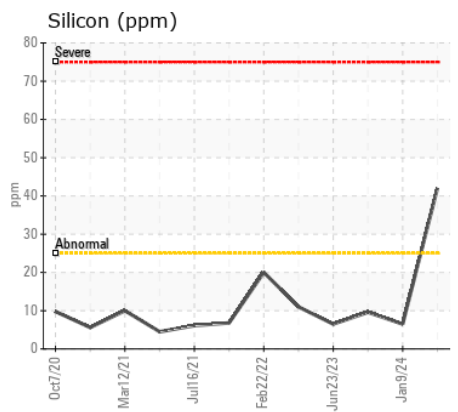
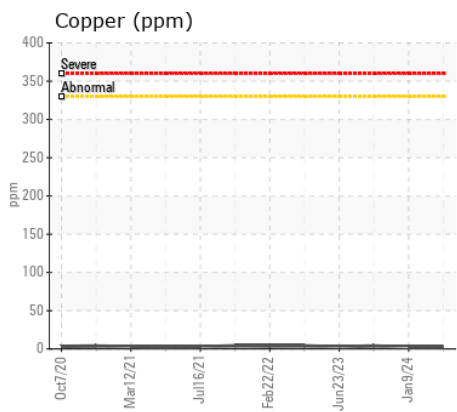
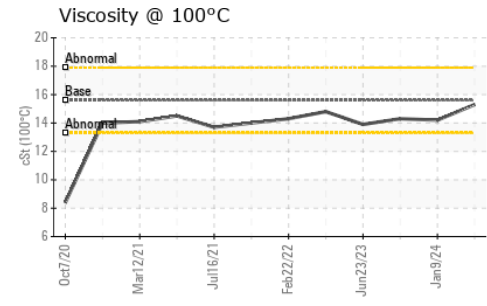
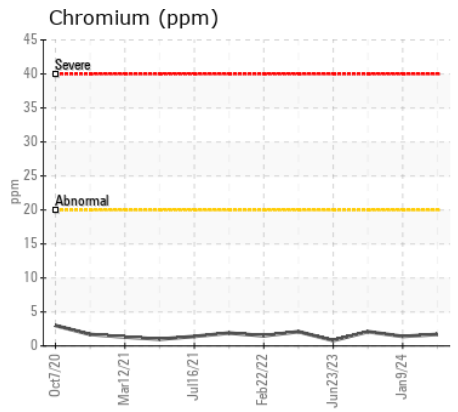
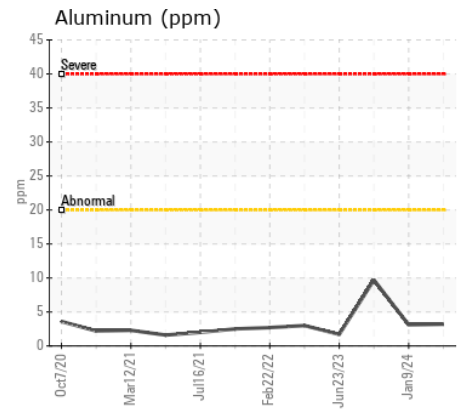
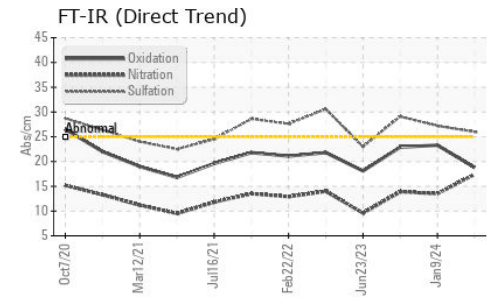
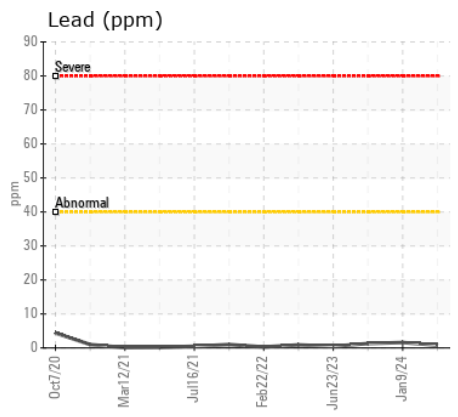
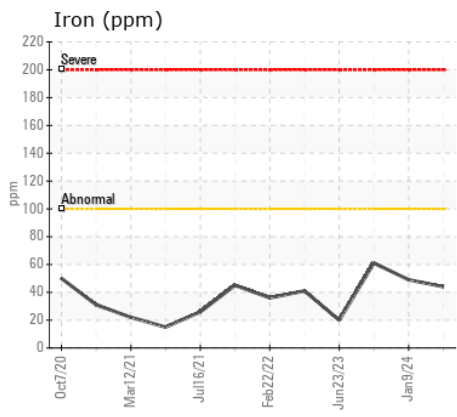
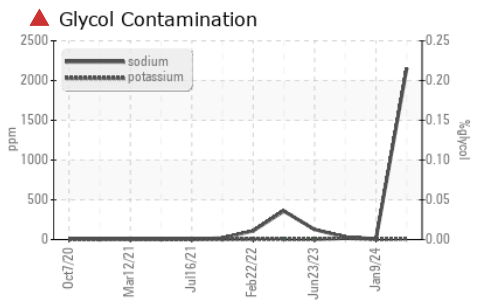
**CONTAMINATION**

Test for glycol is positive. There is a high concentration of glycol present in the oil.

**FLUID CONDITION**

Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0082786	PC0080271	PC0032172
Sample Date		Client Info		14 Mar 2024	09 Jan 2024	29 Sep 2023
Machine Age	kms	Client Info		725855	714096	700068
Oil Age	kms	Client Info		11614	12936	12416
Filter Age	kms	Client Info		11614	12936	12416
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				SEVERE	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>100	44	49	61
Chromium	ppm	ASTM D5185(m)	>20	2	1	2
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	0
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	10
Lead	ppm	ASTM D5185(m)	>40	<1	2	1
Copper	ppm	ASTM D5185(m)	>330	2	2	4
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>25	42	6	10
Potassium	ppm	ASTM D5185(m)	>20	▲ 11	1	16
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		▲ >.70	NEG	0.0
Soot %	%	ASTM D7844*	>3	1.1	1.7	2.5
Nitration	Abs/cm	ASTM D7624*	>20	17.4	13.5	13.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	26.0	27.2	29.1
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		● 2153	9	31
Boron	ppm	ASTM D5185(m)	0	91	4	6
Barium	ppm	ASTM D5185(m)	0	<1	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	137	68	68
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	1010	1012	1101	1067
Calcium	ppm	ASTM D5185(m)	1070	1211	1258	1261
Phosphorus	ppm	ASTM D5185(m)	1150	1101	1145	1126
Zinc	ppm	ASTM D5185(m)	1270	1273	1382	1368
Sulfur	ppm	ASTM D5185(m)	2060	2729	2787	2616
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.8	23.3	22.9
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	116	105	109
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	15.3	14.2	14.3
Viscosity Index (VI)	Scale	ASTM D2270*	139	137	137	133



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0082786 **Received** : 05 Apr 2024  
**Lab Number** : 02626867 **Tested** : 05 Apr 2024  
**Unique Number** : 5759999 **Diagnosed** : 08 Apr 2024 - Kevin Marson  
**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.