



Machine Id
CASE COMBINE 8230 1
Component
Diesel Engine
Fluid
PETRO CANADA DURON UHP E6 10W40 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0081840	---	---
Sample Date		Client Info		14 Jan 2024	---	---
Machine Age	hrs	Client Info		3370	---	---
Oil Age	hrs	Client Info		300	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	6	---	---
Chromium	ppm	ASTM D5185(m)	>20	0	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	2	---	---
Lead	ppm	ASTM D5185(m)	>40	3	---	---
Copper	ppm	ASTM D5185(m)	>330	2	---	---
Tin	ppm	ASTM D5185(m)	>15	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

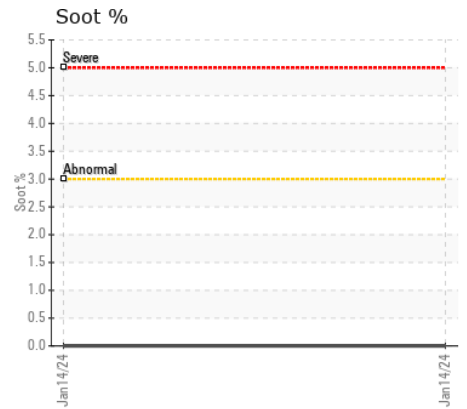
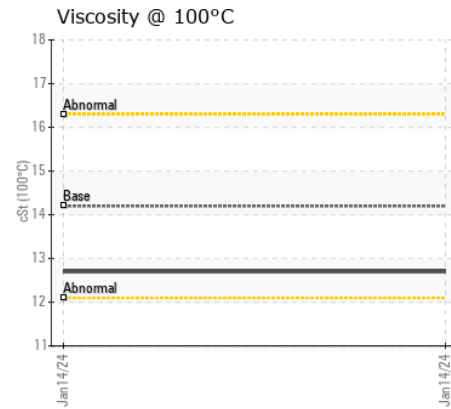
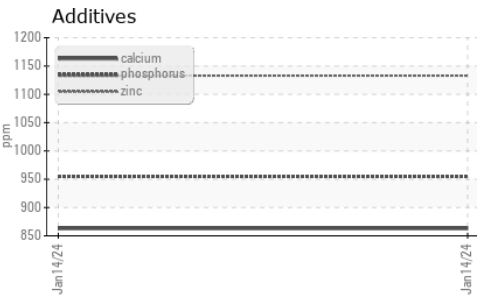
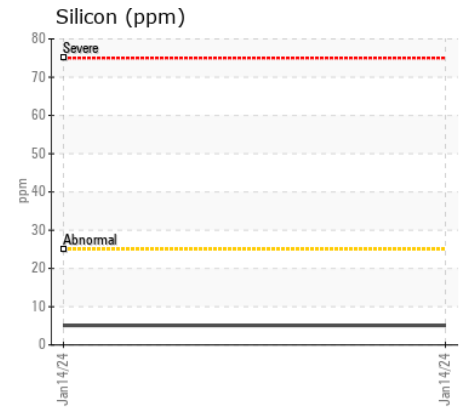
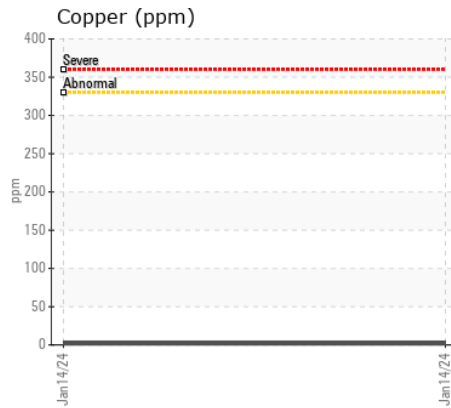
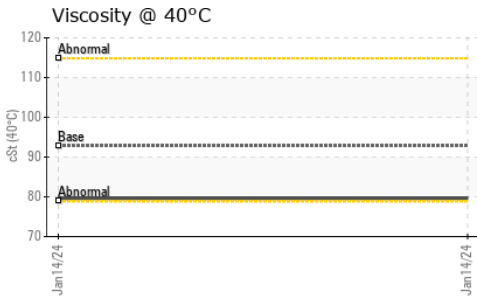
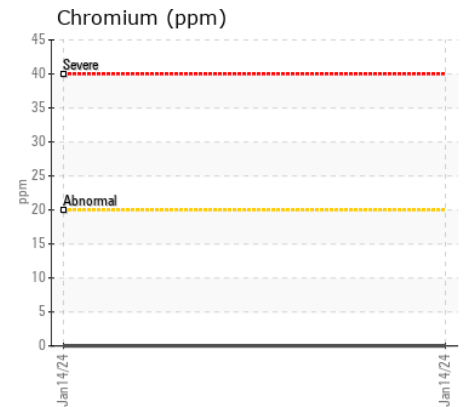
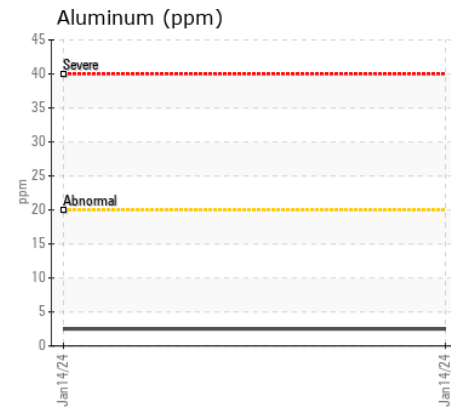
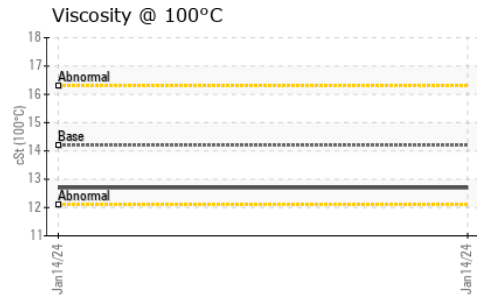
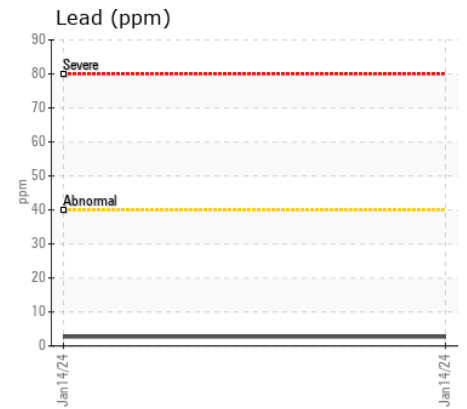
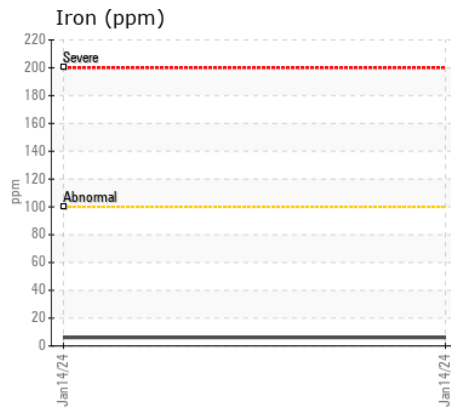
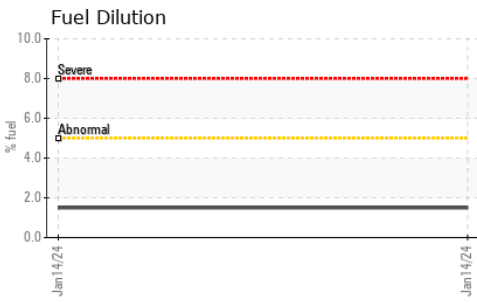
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>25	5	---	---
Potassium	ppm	ASTM D5185(m)	>20	2	---	---
Fuel	%	ASTM D7593*	>5	1.5	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	9.9	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.0	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		6	---	---
Boron	ppm	ASTM D5185(m)	0	30	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	0	55	---	---
Manganese	ppm	ASTM D5185(m)	0	0	---	---
Magnesium	ppm	ASTM D5185(m)	80	1025	---	---
Calcium	ppm	ASTM D5185(m)	2400	863	---	---
Phosphorus	ppm	ASTM D5185(m)	750	955	---	---
Zinc	ppm	ASTM D5185(m)	840	1133	---	---
Sulfur	ppm	ASTM D5185(m)	2130	2652	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.5	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	92.8	79.6	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.2	12.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	157	159	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0081840 **Received** : 23 Feb 2024
Lab Number : **02617592** **Tested** : 26 Feb 2024
Unique Number : 5734702 **Diagnosed** : 26 Feb 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: FUELDILUTION, KV40, PercentFuel, 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.

STARBRITE COLONY
 BOX 400
 FOREMOST, AB
 CA T0K 0X0
 Contact: Service Manager
 eddmentz93@gmail.com
 T: (403)867-2299
 F: