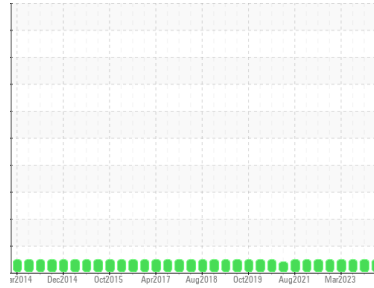


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
2014 PREVOST 111

Component
Rear Diesel Engine

Fluid
PETRO CANADA DURON SHP 15W40 (8 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	PCA0111566	PCA0101045	PCA0094192	
Sample Date	Client Info	11 Mar 2024	16 Oct 2023	15 Jun 2023	
Machine Age	mls	Client Info	438087	427820	413131
Oil Age	mls	Client Info	10267	14689	9345
Oil Changed	Client Info	Changed	Changed	Changed	
Sample Status		NORMAL	NORMAL	NORMAL	

CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >6.0	<1.0	<1.0	<1.0
Water	WC Method >0.2	NEG	NEG	NEG
Glycol	WC Method	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >100	12	10	7
Chromium	ppm ASTM D5185m >20	<1	<1	0
Nickel	ppm ASTM D5185m >2	2	2	<1
Titanium	ppm ASTM D5185m	<1	<1	0
Silver	ppm ASTM D5185m >2	0	0	0
Aluminum	ppm ASTM D5185m >25	3	2	1
Lead	ppm ASTM D5185m >40	1	0	<1
Copper	ppm ASTM D5185m >330	2	2	2
Tin	ppm ASTM D5185m >15	<1	<1	<1
Vanadium	ppm ASTM D5185m	<1	0	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 0	3	<1	0
Barium	ppm ASTM D5185m 0	2	0	0
Molybdenum	ppm ASTM D5185m 60	63	56	64
Manganese	ppm ASTM D5185m 0	<1	<1	<1
Magnesium	ppm ASTM D5185m 1010	906	896	939
Calcium	ppm ASTM D5185m 1070	1155	974	1121
Phosphorus	ppm ASTM D5185m 1150	946	877	1023
Zinc	ppm ASTM D5185m 1270	1211	1139	1261
Sulfur	ppm ASTM D5185m 2060	3113	2479	3419

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	5	4	4
Sodium	ppm ASTM D5185m	0	2	0
Potassium	ppm ASTM D5185m >20	2	<1	2

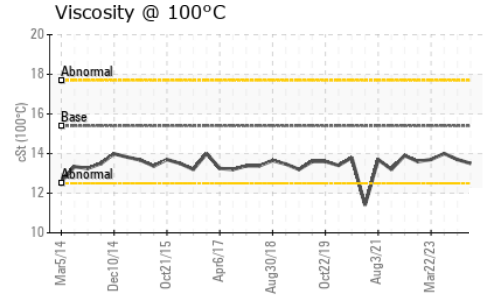
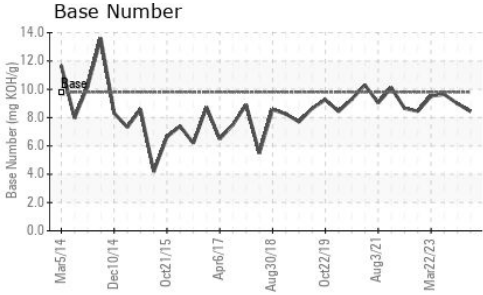
INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	0.4	0.4	0.3
Nitration	Abs/cm *ASTM D7624 >20	9.3	9.0	8.1
Sulfation	Abs/.1mm *ASTM D7415 >30	18.8	18.8	19.1

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	15.0	14.8	15.0
Base Number (BN)	mg KOH/g ASTM D2896 9.8	8.44	8.99	9.64

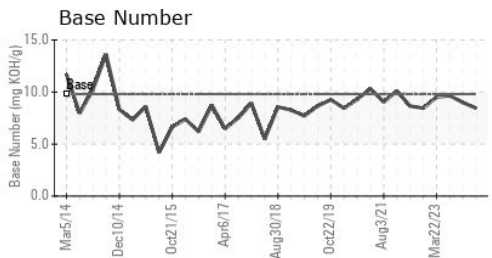
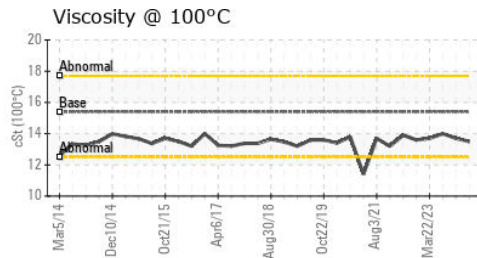
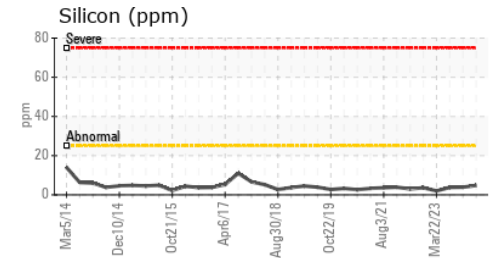
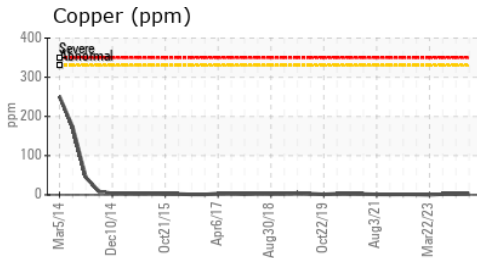
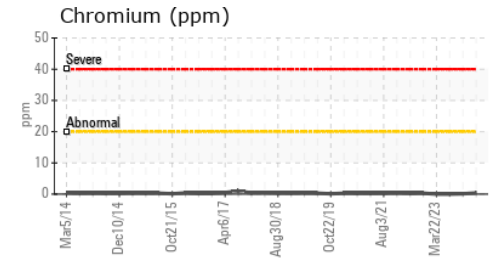
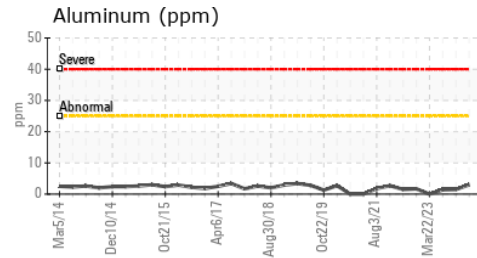
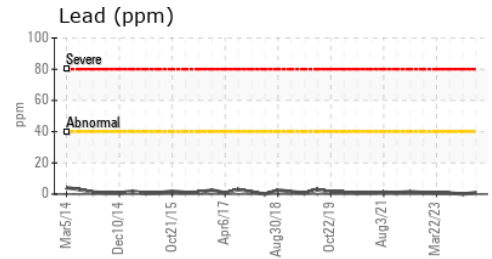
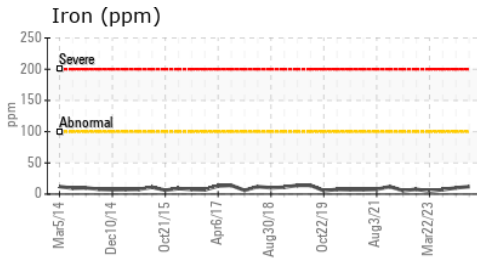
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	15.4	13.5	13.7	14.0

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0111566
Lab Number : **06125129**
Unique Number : 10939280
Test Package : MOB 2

Received : 21 Mar 2024
Tested : 24 Mar 2024
Diagnosed : 24 Mar 2024 - Wes Davis

BROWN BUS COMPANY - UPSTATE TRANSIT
 50 VENNERS ROAD
 AMSTERDAM, NY
 US 12010
 Contact: CONNIE WILBUR
 cwilbur@browncoach.com
 T: (518)843-4700
 F: (518)843-3600

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)