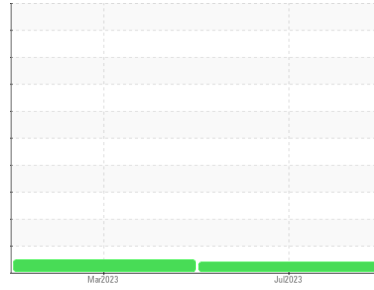


PROBLEM SUMMARY

Sample Rating Trend



VISCOSITY



Area
(TEMP) Walgreens
 Machine Id
[Walgreens] 136A62540
 Component
Diesel Engine
 Fluid
PETRO CANADA 10W40 (11 GAL)

COMPONENT CONDITION SUMMARY

▲ Viscosity @ 100°C



RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	NORMAL	---
Visc @ 100°C	cSt	ASTM D445	▲ 11.0	11.0	---

Customer Id: TSV1367
 Sample No.: PCA0094410
 Lab Number: 05896771
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

01 Mar 2023 Diag: Angela Borella

NORMAL



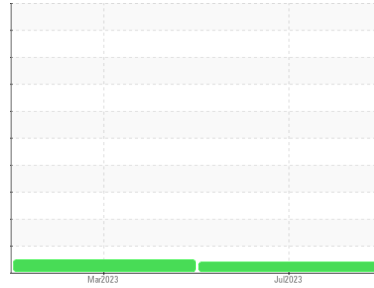
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area
(TEMP) Walgreens
 Machine Id
[Walgreens] 136A62540
 Component
Diesel Engine
 Fluid
PETRO CANADA 10W40 (11 GAL)

DIAGNOSIS

▲ Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

▲ Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PCA0094410	PCA0092025	---
Sample Date	Client Info			06 Jul 2023	01 Mar 2023	---
Machine Age	mls	Client Info		108611	408580	---
Oil Age	mls	Client Info		108611	408580	---
Oil Changed	Client Info			Changed	Not Changd	---
Sample Status				ATTENTION	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Glycol	WC Method			NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	35	17	---
Chromium	ppm	ASTM D5185m	>20	3	2	---
Nickel	ppm	ASTM D5185m	>4	6	11	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>20	18	13	---
Lead	ppm	ASTM D5185m	>40	8	3	---
Copper	ppm	ASTM D5185m	>330	13	12	---
Tin	ppm	ASTM D5185m	>15	2	1	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	0	---

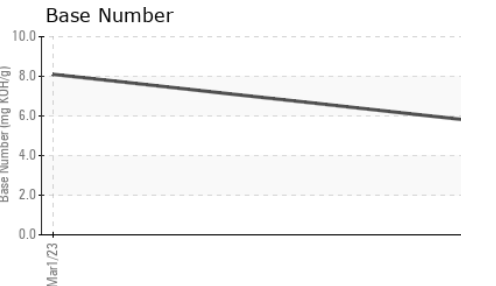
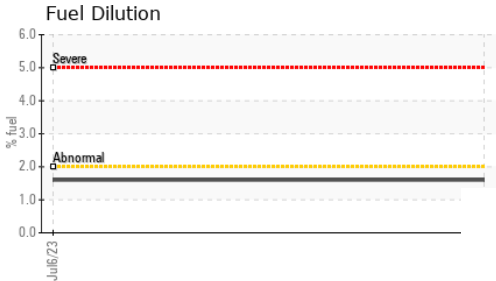
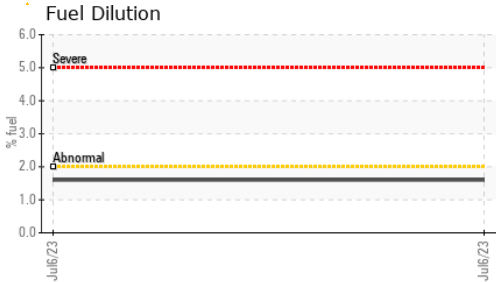
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	9	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		61	53	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		882	813	---
Calcium	ppm	ASTM D5185m		1139	1090	---
Phosphorus	ppm	ASTM D5185m		960	894	---
Zinc	ppm	ASTM D5185m		1257	1244	---
Sulfur	ppm	ASTM D5185m		2818	2851	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	6	---
Sodium	ppm	ASTM D5185m	>20	0	1	---
Potassium	ppm	ASTM D5185m	>20	49	32	---
Fuel	%	ASTM D3524	>2.0	1.6	<1.0	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	10.6	8.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.1	20.1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.3	16.7	---
Base Number (BN)	mg KOH/g	ASTM D2896		5.7	8.1	---

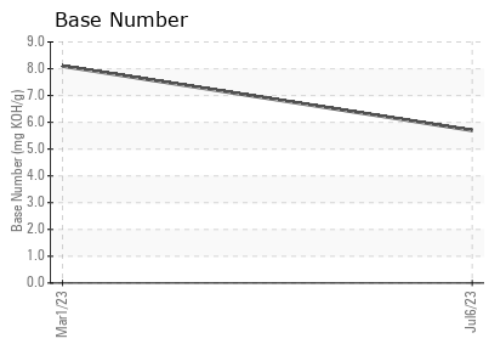
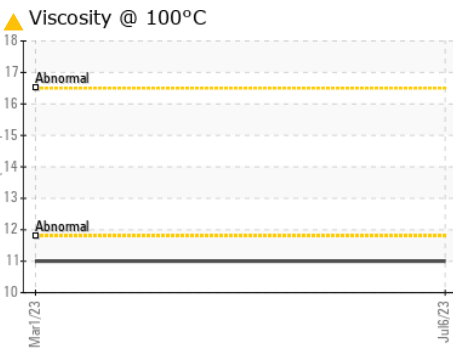
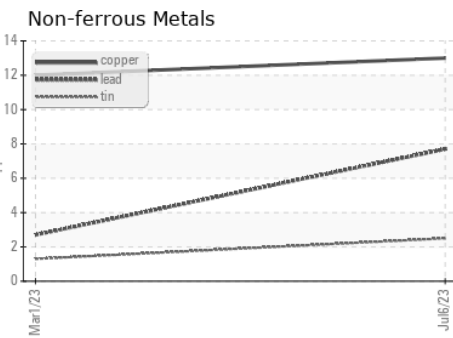
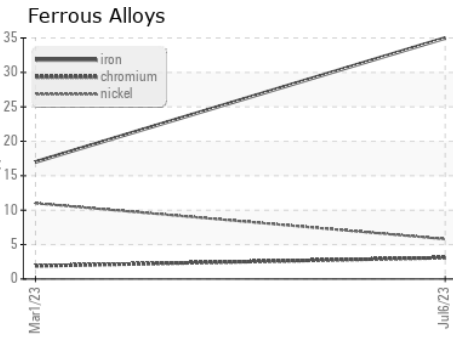
OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	▲ 11.0	11.0	---

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0094410 **Received** : 12 Jul 2023
Lab Number : 05896771 **Diagnosed** : 14 Jul 2023
Unique Number : 10552581 **Diagnostician** : Don Baldrige
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

Transervice - Shop 1367 - Berkeley-Jupiter
 15998 Walgreens Drive
 Jupiter, FL
 US 33478
 Contact: Manny Gonzalez
 egonzalez@transervice.com
 T: (561)776-0755
 F: (561)776-0799

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)