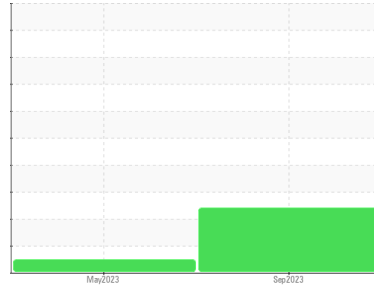


PROBLEM SUMMARY

Area
(89637X) Walgreens - Tractor
 Machine Id
[Walgreens] 136A68025
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (11 GAL)

Sample Rating Trend

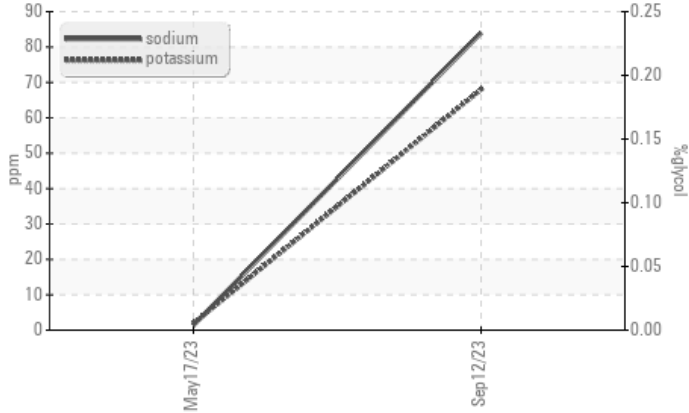


GLYCOL



COMPONENT CONDITION SUMMARY

▲ Glycol Contamination



RECOMMENDATION

We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	NORMAL	---
Sodium	ppm	ASTM D5185m	▲ 84	1	---
Potassium	ppm	ASTM D5185m >20	▲ 68	2	---

Customer Id: TSV1376
 Sample No.: PCA0093529
 Lab Number: 05958301
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Glycol Access	---	---	?	We advise that you check for the source of the coolant leak.

HISTORICAL DIAGNOSIS

17 May 2023 Diag: Wes Davis

NORMAL



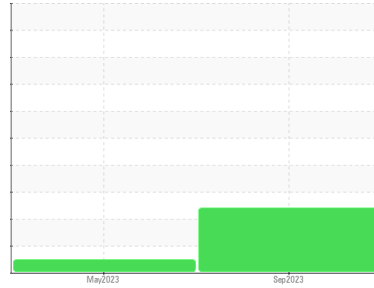
Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



GLYCOL



Area
(89637X) Walgreens - Tractor
Machine Id
[Walgreens] 136A68025
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (11 GAL)

DIAGNOSIS

▲ Recommendation

We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

Sodium and/or potassium levels are high.

▲ Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0093529	PCA0093513	---
Sample Date	Client Info		12 Sep 2023	17 May 2023	---
Machine Age	mls	Client Info	192903	179298	---
Oil Age	mls	Client Info	0	179298	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			ABNORMAL	NORMAL	---

CONTAMINATION	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	---

WEAR METALS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >80	27	26	---
Chromium	ppm	ASTM D5185m >5	<1	<1	---
Nickel	ppm	ASTM D5185m >2	0	0	---
Titanium	ppm	ASTM D5185m	18	4	---
Silver	ppm	ASTM D5185m >3	0	0	---
Aluminum	ppm	ASTM D5185m >30	1	2	---
Lead	ppm	ASTM D5185m >30	0	0	---
Copper	ppm	ASTM D5185m >150	2	2	---
Tin	ppm	ASTM D5185m >5	0	<1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	6	8	---
Barium	ppm	ASTM D5185m 0	0	0	---
Molybdenum	ppm	ASTM D5185m 50	50	54	---
Manganese	ppm	ASTM D5185m 0	0	<1	---
Magnesium	ppm	ASTM D5185m 950	745	900	---
Calcium	ppm	ASTM D5185m 1050	1326	1259	---
Phosphorus	ppm	ASTM D5185m 995	895	1012	---
Zinc	ppm	ASTM D5185m 1180	1145	1291	---
Sulfur	ppm	ASTM D5185m 2600	3447	3684	---

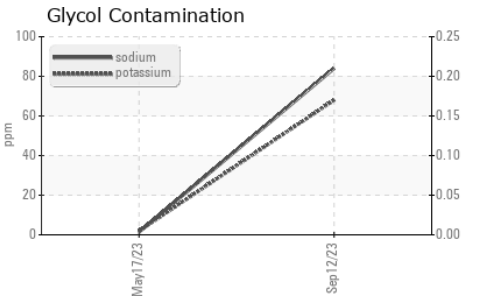
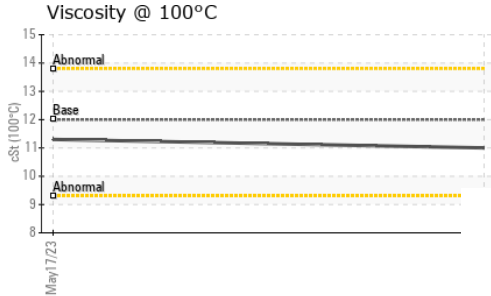
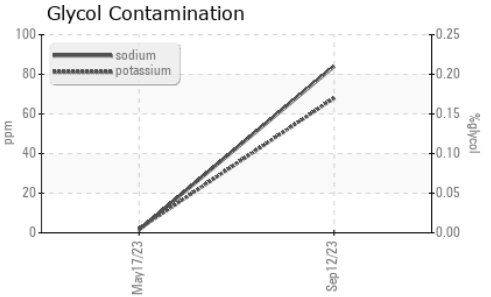
CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	7	8	---
Sodium	ppm	ASTM D5185m	▲ 84	1	---
Potassium	ppm	ASTM D5185m >20	▲ 68	2	---
Glycol	%	*ASTM D2982	NEG	NEG	---

INFRA-RED	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	0.5	0.6	---
Nitration	Abs/cm	*ASTM D7624 >20	10.7	10.1	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	22.5	22.6	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	18.6	19.8	---
Base Number (BN)	mg KOH/g	ASTM D2896	5.8	5.7	---



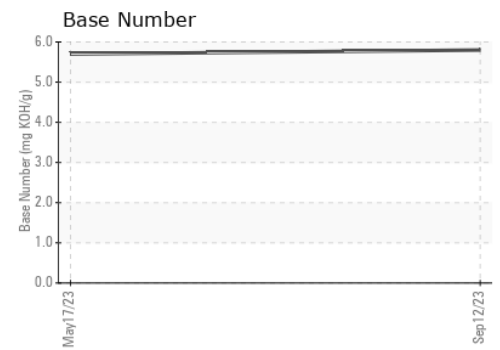
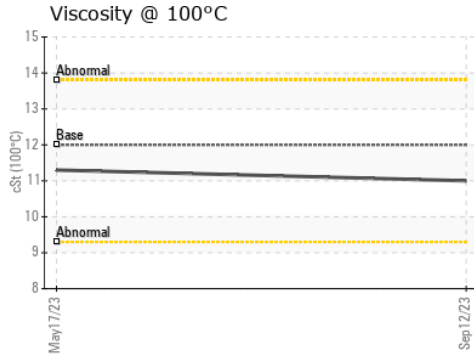
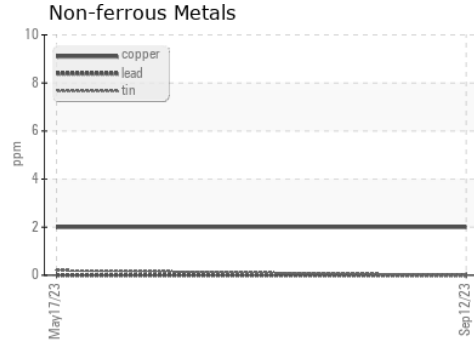
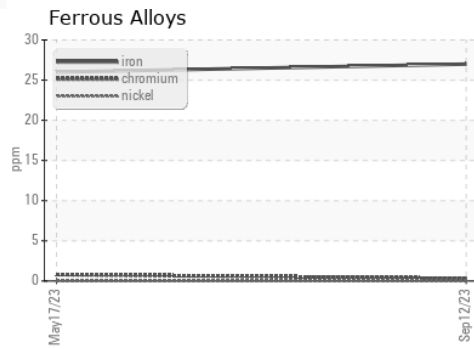
OIL ANALYSIS REPORT



PARAMETER	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	12.00	11.0	11.3

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : PCA0093529 Received : 22 Sep 2023
 Lab Number : 05958301 Diagnosed : 25 Sep 2023
 Unique Number : 10659514 Diagnostician : Jonathan Hester
 Test Package : FLEET (Additional Tests: Glycol)

Transervice - Shop 1376 - Berkeley-Linden
 3425 Tremley Point Road
 Linden, NJ
 US 07036
 Contact: Shop 1376 Oil Analysis
 shop1376@transervice.com

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)

T:
F: