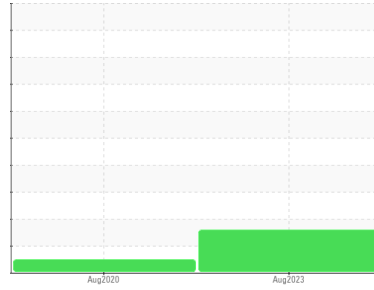




PROBLEM SUMMARY

Sample Rating Trend

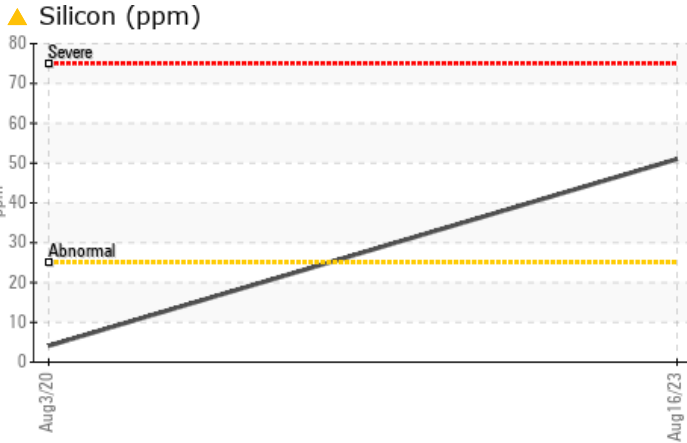


DIRT



Machine Id
516
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON HP 15W40 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	---
Silicon	ppm	ASTM D5185m	>25	▲ 51	4	---

Customer Id: AVRAPP
 Sample No.: PCA0069596
 Lab Number: 05934711
 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

Action	Status	Date	Done By	Description
Check Dirt Access	---	---	?	We advise that you check the air filter, air induction system, and any areas where dirt may enter the component.

HISTORICAL DIAGNOSIS

03 Aug 2020 Diag: Wes Davis

NORMAL



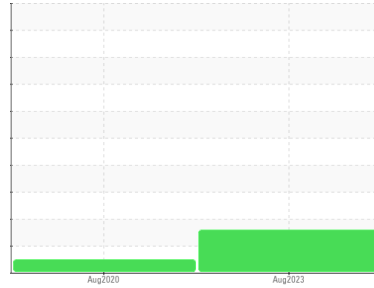
Resample at the next service interval to monitor. Please specify the component make and model with your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
516
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON HP 15W40 (--- GAL)

DIAGNOSIS

Recommendation
 We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor.

Wear
 All component wear rates are normal.

Contamination
 Elemental level of silicon (Si) above normal.

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	PCA0069596	PCA0027705	---
Sample Date	Client Info	16 Aug 2023	03 Aug 2020	---
Machine Age	hrs	10994	8357	---
Oil Age	hrs	579	0	---
Oil Changed	Client Info	Not Chngd	Changed	---
Sample Status		ABNORMAL	NORMAL	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >100	15	10	---
Chromium	ppm ASTM D5185m >20	<1	<1	---
Nickel	ppm ASTM D5185m >4	0	1	---
Titanium	ppm ASTM D5185m	0	3	---
Silver	ppm ASTM D5185m >3	0	0	---
Aluminum	ppm ASTM D5185m >20	5	1	---
Lead	ppm ASTM D5185m >40	<1	6	---
Copper	ppm ASTM D5185m >330	<1	<1	---
Tin	ppm ASTM D5185m >15	<1	0	---
Antimony	ppm ASTM D5185m	---	0	---
Vanadium	ppm ASTM D5185m	0	0	---
Cadmium	ppm ASTM D5185m	0	<1	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	4	20	---
Barium	ppm ASTM D5185m	0	0	---
Molybdenum	ppm ASTM D5185m	68	54	---
Manganese	ppm ASTM D5185m	<1	<1	---
Magnesium	ppm ASTM D5185m	1038	882	---
Calcium	ppm ASTM D5185m	1245	1126	---
Phosphorus	ppm ASTM D5185m	1147	942	---
Zinc	ppm ASTM D5185m	1398	1054	---
Sulfur	ppm ASTM D5185m	3978	2344	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	▲ 51	4	---
Sodium	ppm ASTM D5185m	1	2	---
Potassium	ppm ASTM D5185m >20	2	13	---

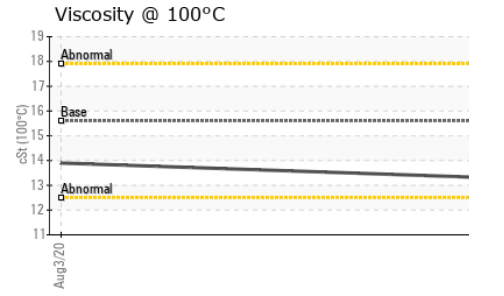
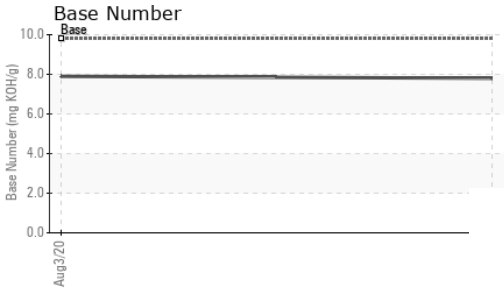
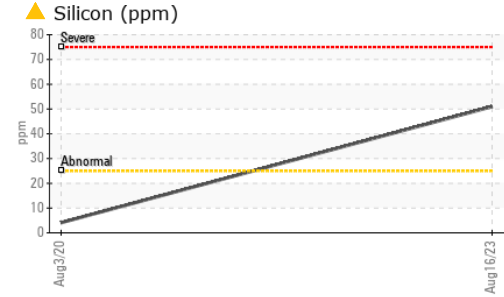
INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	0.4	0.4	---
Nitration	Abs/cm *ASTM D7624 >20	8.9	10.1	---
Sulfation	Abs/.1mm *ASTM D7415 >30	20.2	20.7	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	16.9	16.8	---
Base Number (BN)	mg KOH/g ASTM D2896 9.8	7.8	7.9	---

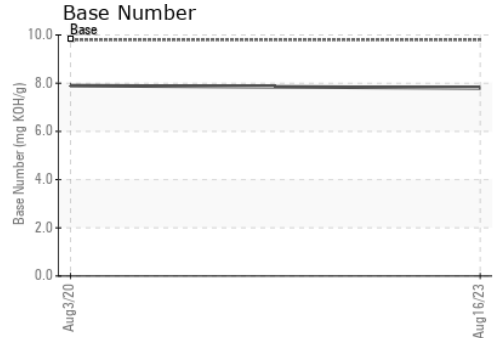
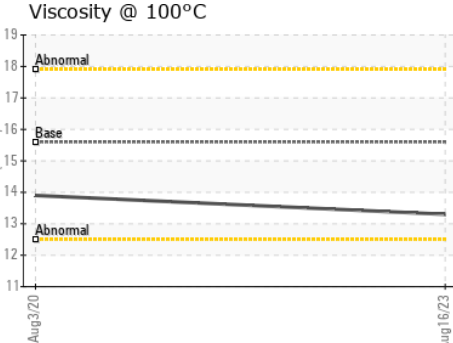
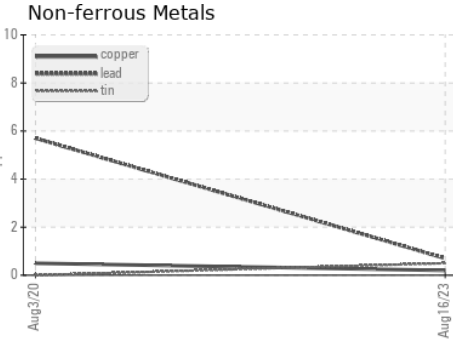
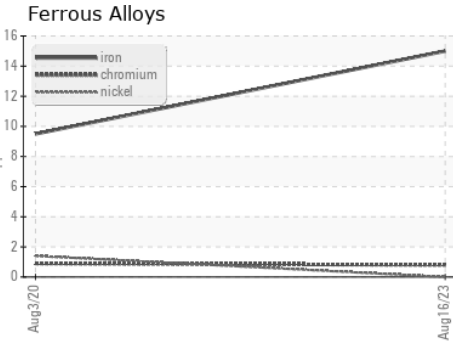
OIL ANALYSIS REPORT



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	15.6	13.3	13.9

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0069596 **Received** : 25 Aug 2023
Lab Number : 05934711 **Diagnosed** : 27 Aug 2023
Unique Number : 10619982 **Diagnostician** : Don Baldrige
Test Package : FLEET

AVR - APPLE VALLEY READY MIX
 14698 GALAXY AVE
 APPLE VALLEY, MN
 US 55124
 Contact: COLE DAMBROTEN
 coledambroten@avrconcrete.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)