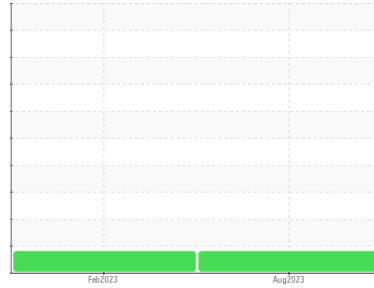


PROBLEM SUMMARY

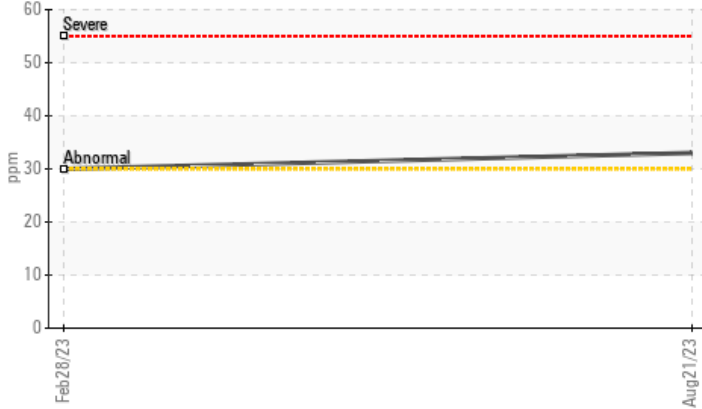
Area
(90280X) Walgreens
 Machine Id
[Walgreens] 136A66117
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (11 GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY

▲ Aluminum (ppm)



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	---
Aluminum	ppm	ASTM D5185m	>30	▲ 33	▲ 30	---

Customer Id: TSV1370
 Sample No.: PCA0101912
 Lab Number: 05938134
 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
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.

HISTORICAL DIAGNOSIS

28 Feb 2023 Diag: Sean Felton

WEAR



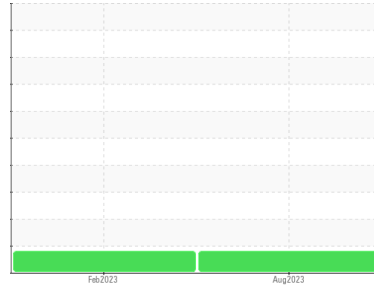
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result 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



WEAR



Area
(90280X) Walgreens
Machine Id
[Walgreens] 136A66117
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (11 GAL)

DIAGNOSIS

▲ Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

▲ Wear

The aluminum level is abnormal. All other 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		PCA0101912	PCA0092830	---
Sample Date	Client Info		21 Aug 2023	28 Feb 2023	---
Machine Age	mls	Client Info	739898	707218	---
Oil Age	mls	Client Info	50000	30000	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			ABNORMAL	ABNORMAL	---

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 >80	70	56	---
Chromium	ppm	ASTM D5185m >5	4	4	---
Nickel	ppm	ASTM D5185m >2	0	0	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m >3	0	0	---
Aluminum	ppm	ASTM D5185m >30	▲ 33	▲ 30	---
Lead	ppm	ASTM D5185m >30	0	0	---
Copper	ppm	ASTM D5185m >150	31	48	---
Tin	ppm	ASTM D5185m >5	<1	<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	1	3	---
Barium	ppm	ASTM D5185m 0	0	0	---
Molybdenum	ppm	ASTM D5185m 50	66	65	---
Manganese	ppm	ASTM D5185m 0	1	<1	---
Magnesium	ppm	ASTM D5185m 950	1022	951	---
Calcium	ppm	ASTM D5185m 1050	1206	1119	---
Phosphorus	ppm	ASTM D5185m 995	1065	943	---
Zinc	ppm	ASTM D5185m 1180	1379	1253	---
Sulfur	ppm	ASTM D5185m 2600	2885	2517	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	8	6	---
Sodium	ppm	ASTM D5185m	5	3	---
Potassium	ppm	ASTM D5185m >20	4	1	---

INFRA-RED

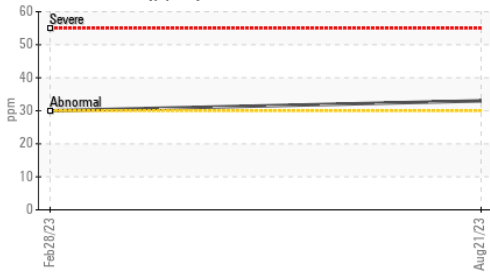
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	2.1	1.8	---
Nitration	Abs/cm	*ASTM D7624 >20	13.6	13.2	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	26.8	25.6	---

FLUID DEGRADATION

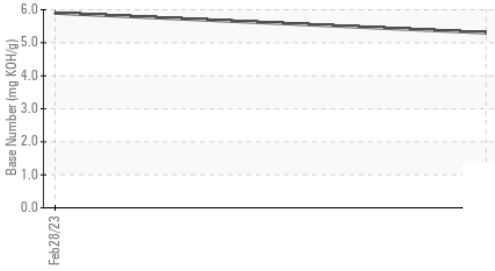
	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	23.9	22.2	---
Base Number (BN)	mg KOH/g	ASTM D2896	5.3	5.9	---

OIL ANALYSIS REPORT

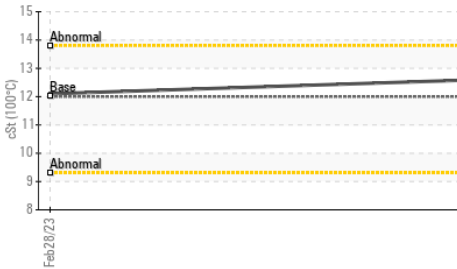
▲ Aluminum (ppm)



Base Number



Viscosity @ 100°C

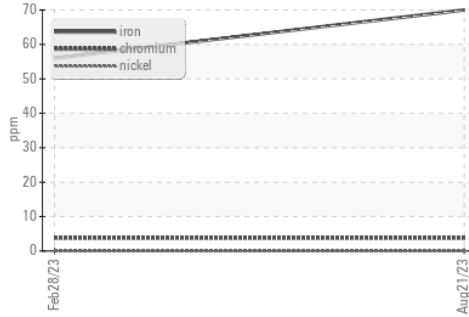


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

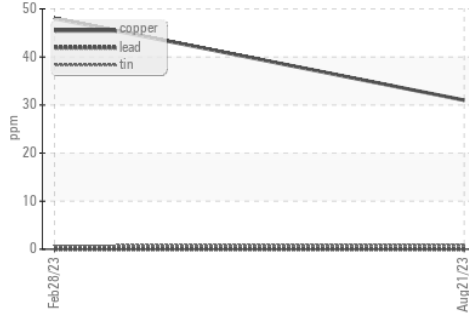
FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	12.00	12.6	12.1	---

GRAPHS

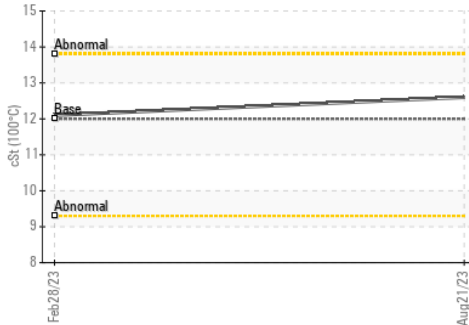
Ferrous Alloys



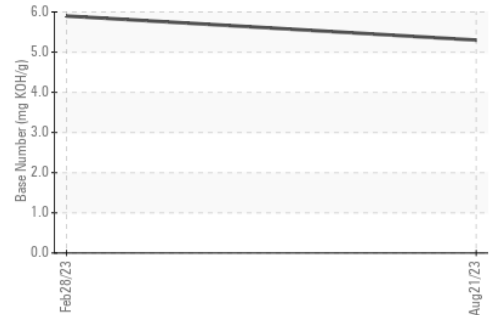
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0101912 **Received** : 30 Aug 2023
Lab Number : **05938134** **Diagnosed** : 31 Aug 2023
Unique Number : 10628746 **Diagnostician** : Don Baldrige
Test Package : FLEET

Transervice - Shop 1370 - Berkeley-Perrysburg
 28727 Oregon Road
 Perrysburg, OH
 US 43551
 Contact: Curtis Hart
 chart@transervice.com
 T: (419)666-3277
 F: (419)666-3279

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)