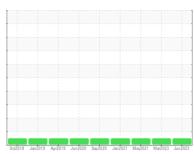


# **OIL ANALYSIS REPORT**

## **Sample Rating Trend**







Machine Id **394997** 

Component **Diesel Engine** 

PETRO CANADA DURON SHP 10W30 (16 QTS)

## DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

#### 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.

QTS)						
SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0097818	PCA0094522	PCA0047180
Sample Date		Client Info		05 Jun 2023	24 Mar 2023	06 May 2021
Machine Age	mls	Client Info		180677	174298	0
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>100	12	14	24
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	0	2	8
Lead	ppm	ASTM D5185m	>40	0	0	2
Copper	ppm	ASTM D5185m	>330	1	2	2
Tin	ppm	ASTM D5185m	>15	0	<1	1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	2	18	19	6
Barium	ppm	ASTM D5185m	0	11	0	0
Molybdenum	ppm	ASTM D5185m	50	61	46	62
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	950	787	492	1006
Calcium	ppm	ASTM D5185m	1050	1162	1706	1136
Phosphorus	ppm	ASTM D5185m	995	966	956	1066
Zinc	ppm	ASTM D5185m	1180	1196	1165	1282
Sulfur	ppm	ASTM D5185m	2600	3518	3607	2634
CONTAMINAN	ITS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	2	5	7
Sodium	ppm	ASTM D5185m		2	2	6
Potassium	ppm	ASTM D5185m	>20	2	0	3
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	0.4	0.4	1.2
Nitration	Abs/cm	*ASTM D7624	>20	7.7	9.7	11.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.4	19.4	22.2
FLUID DEGRA	NOITAC	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.6	18.4	18.9
Base Number (BN)	mg KOH/g	ASTM D2896		9.3	5.2	



## OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

:St (100°C)

: PCA0097818 : 05888639 : 10539122

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jul 2023 Diagnosed : 05 Jul 2023 : Wes Davis Diagnostician

Test Package : MOB 1 ( Additional Tests: TBN ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

10.0 (mg KOH/g) 8.0

4.0 Base Nu 0.0

> **63 REPAUPO STATION ROAD** LOGAN TOWNSHIP, NJ US 08085

Contact: ED DAVIS edavis@millertransgroup.com T: (856)214-3521

\* - 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)

F: (856)214-3663 Contact/Location: ED DAVIS - MILLOG