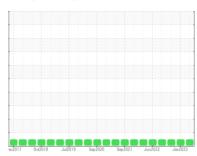


## **OIL ANALYSIS REPORT**

### Sample Rating Trend



NORMAL



# 172080

Component **Diesel Engine** 

PETRO CANADA DURON SHP 10W30 (--- GAL)

## 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.

GAL) add 10 Julio 10 Julio 10 Sapitor Sapitor Julio 22 Julio 23 Ju						
SAMPLE INFORI	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0097770	PCA0089983	PCA0079710
Sample Date		Client Info		06 May 2023	07 Jan 2023	16 Sep 2022
Machine Age	mls	Client Info		253000	0	227401
Oil Age	mls	Client Info		10000	0	0
Oil Changed		Client Info		N/A	N/A	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	17	26	17
Chromium	ppm	ASTM D5185m		0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m		2	2	2
Lead	ppm	ASTM D5185m	>40	1	1	2
Copper	ppm	ASTM D5185m		<1	1	2
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m	710	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	Please	method	limit/base	current	history 1	history 2
Boron	nnm	ASTM D5185m	2	14	7	8
Barium	ppm	ASTM D5185m	0	2	0	0
		ASTM D5185m	50	69	66	66
Molybdenum	ppm		0	<1	<1	<1
Manganese	ppm	ASTM D5185m	950		882	
Magnesium Calcium	ppm	ASTM D5185m	1050	818	1101	980 1157
	ppm	ASTM D5185m ASTM D5185m		1135 996	958	
Phosphorus Zinc	ppm		995	1155	1125	1053
Sulfur	ppm ppm	ASTM D5185m ASTM D5185m	1180 2600	3045	3645	1303 3907
CONTAMINAN		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	3	5	4
Sodium	ppm	ASTM D5185m	00	0	10	0
Potassium	ppm	ASTM D5185m	>20	2	2	1
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	0.7	0.6	1.4
Nitration	Abs/cm	*ASTM D7624	>20	8.5	8.2	10.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	19.1	22.4
FLUID DEGRA	DATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.4	15.0	17.5
Base Number (BN)	mg KOH/g	ASTM D2896		9.0	9.7	11.3



## **OIL ANALYSIS REPORT**





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

: PCA0097770 : 05888701 : 10539184

: 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.

\* - 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)

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