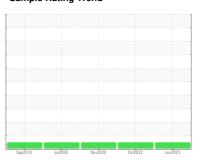


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



# Machine Id **690280**

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.

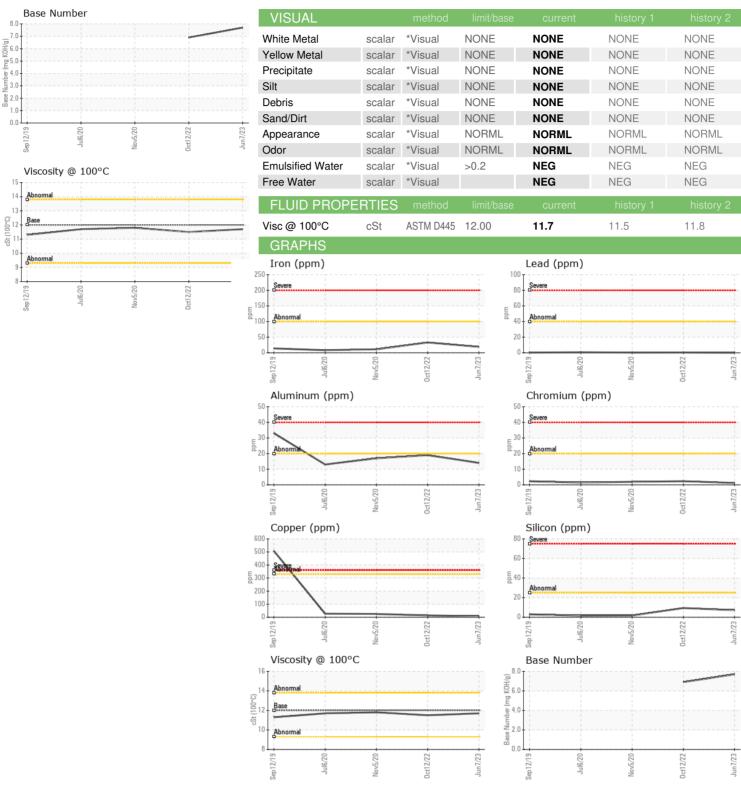
## **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

GAL)		Sep2019	Jul2020	Nov2020 Oct2022	Jun2023	
SAMPLE INFORI	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0097816	PCA0079739	PCA0032489
Sample Date		Client Info		07 Jun 2023	12 Oct 2022	05 Nov 2020
Machine Age	mls	Client Info		180017	162844	0
Oil Age	mls	Client Info		15005	10000	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	19	33	11
Chromium	ppm	ASTM D5185m	>20	1	2	2
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	14	19	17
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	8	14	25
Tin	ppm	ASTM D5185m	>15	1	2	2
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	2	8	2	7
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	50	62	62	62
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	950	803	924	931
Calcium	ppm	ASTM D5185m	1050	1123	1119	1165
Phosphorus	ppm	ASTM D5185m	995	955	913	1078
Zinc	ppm	ASTM D5185m	1180	1138	1194	1276
Sulfur	ppm	ASTM D5185m	2600	2812	2958	2723
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	7	9	2
Sodium	ppm	ASTM D5185m		0	4	2
Potassium	ppm	ASTM D5185m	>20	8	16	31
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	0.7	1.3	0.6
Nitration	Abs/cm	*ASTM D7624	>20	8.4	11.0	8.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.3	24.1	20.5
FLUID DEGRA	DATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.4	18.9	15.6
Base Number (BN)	mg KOH/g	ASTM D2896		7.7	6.9	



# **OIL ANALYSIS REPORT**





Certificate L2367

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

: PCA0097816 : 05888696

: 10539179

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

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.

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

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Contact/Location: ED DAVIS - MILLOG

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)