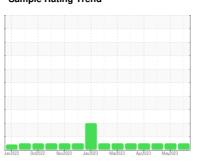


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



# Machine Id **811055**

Component

Diesel Engine

**Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (9 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.

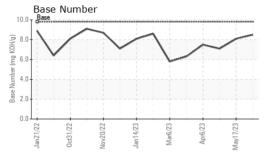
## **Fluid Condition**

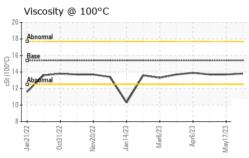
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

AL)		Jan2022 0	ct2022 Nov2022 Jan	2023 Mar2023 Apr2023 1	May2023	
SAMPLE INFORI	MATION	method	limit/base	current	history 1	history 2
Sample Number Sample Date		Client Info		GFL0088383	GFL0070035	GFL0075214
•	hrs	Client Info		30 Jun 2023 5498	17 May 2023 4280	27 Apr 2023 4130
Machine Age	hrs	Client Info		3826	3826	3826
Oil Age Oil Changed	1115	Client Info		N/A	Not Changd	Not Changd
Sample Status		Ciletit IIIIO		NORMAL	NORMAL	NORMAL
				NONWAL		
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	6	14	10
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	<1
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	<1	1	<1
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	57	57	59
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	1010	957	953	966
Calcium	ppm	ASTM D5185m	1070	1113	1105	1072
Phosphorus	ppm	ASTM D5185m	1150	1005	960	981
Zinc	ppm	ASTM D5185m	1270	1249	1225	1288
Sulfur	ppm	ASTM D5185m	2060	3641	3342	3245
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	4	3	4
Sodium	ppm	ASTM D5185m		1	2	<1
Potassium	ppm	ASTM D5185m	>20	2	1	<1
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	0.3	0.5	0.3
Nitration	Abs/cm	*ASTM D7624	>20	6.0	7.7	6.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.2	20.0	17.2
FLUID DEGRA	NOITAC	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.3	15.0	13.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.5	8.1	7.1



# **OIL ANALYSIS REPORT**

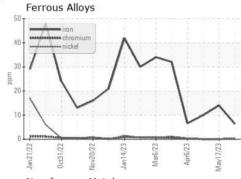


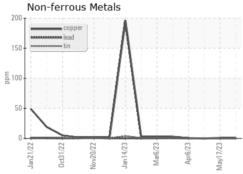


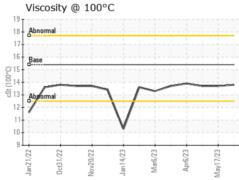
VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

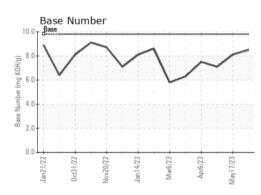
FLUID PROPERTIES		method			history 1	history 2
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	13.7	13.7

## **GRAPHS**













Certificate L2367

Laboratory

Sample No. Lab Number **Unique Number** Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0088383 Received : 05 Jul 2023 : 05890725 Diagnosed : 06 Jul 2023 : 10546535

Diagnostician : Wes Davis

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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