

## **OIL ANALYSIS REPORT**

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Machine Id 10564

#### Component Diesel Engine

Fluid

## PETRO CANADA DURON SHP 15W40 (11 GAL)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

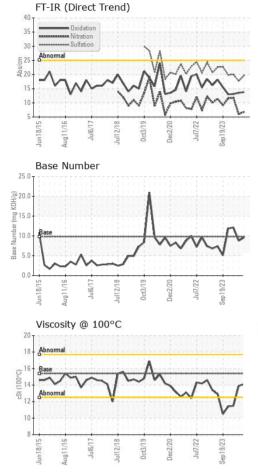
#### Fluid Condition

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

Sample Number Client Info GFL0072143 GFL0072067 GFL007   Sample Date Client Info 03 Apr 2024 08 Mar 2024 12 Feb 32   Machine Age hrs Client Info 22421 22165 22188   Oil Age hrs Client Info 150 0 600								
Machine Age hrs Client Info 22421 22165 22188	2053							
5	2024							
Oil Age hrs Client Info 150 0 600								
Oil Changed Client Info Not Changd Not Change Change	d							
Sample Status NORMAL ATTENTION SEVERI	E							
CONTAMINATION method limit/base current history1 hist	tory2							
Fuel WC Method >3.0 <1.0 <1.0 <1.0								
Water WC Method >0.2 NEG NEG NEG								
Glycol WC Method NEG A 0.20								
WEAR METALS method limit/base current history1 history2								
Iron ppm ASTM D5185m >75 9 3 21								
Chromium ppm ASTM D5185m >5 <1								
Nickel ppm ASTM D5185m >4 0 0								
Titanium ppm ASTM D5185m >2 <1								
Silver ppm ASTM D5185m >2 0 0 0								
Aluminum ppm ASTM D5185m >15 2 2 5								
Lead ppm ASTM D5185m >25 <b>0</b> <1 0								
Copper ppm ASTM D5185m >100 2 <1								
Tin ppm ASTM D5185m >4 0 0 <1								
Vanadium ppm ASTM D5185m <1								
Cadmium ppm ASTM D5185m 0 0 0								
ADDITIVES method limit/base current history1 hist	tory2							
Boron ppm ASTM D5185m 0 3 9 66								
Barium ppm ASTM D5185m 0 0 0 0 0								
Molybdenum ppm ASTM D5185m 60 62 64 139								
Molybdenum ppm ASTM D5185m 60 62 64 139   Manganese ppm ASTM D5185m 0 0 0 <1								
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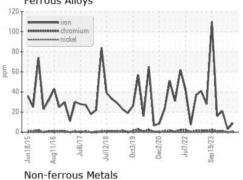


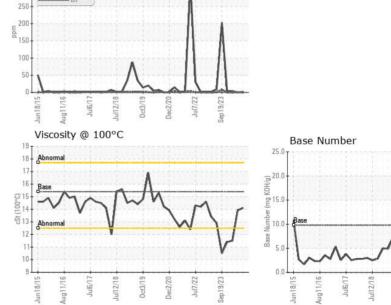
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.1	13.9	11.5
GRAPHS						

Ferrous Alloys

350

300





: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

Diagnosed

Tested

: 04 Apr 2024

: 05 Apr 2024

0ct3/19 Dec2/20 Sep 19/23 ul7/22 GFL Environmental - 094 - Cedartown 2097 Buchanan Highway Cedartown, GA : 05 Apr 2024 - Wes Davis US 30125 Contact: WILLIAM FOSTER william.foster@gflenv.com T: (800)207-6618



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

Lab Number : 06138406

Unique Number : 10963214

Test Package : FLEET

: GFL0072143

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.

Laboratory

Sample No.

Report Id: GFL094 [WUSCAR] 06138406 (Generated: 04/05/2024 04:29:14) Rev: 1

Certificate 12367

Submitted By: Darrell Welch

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