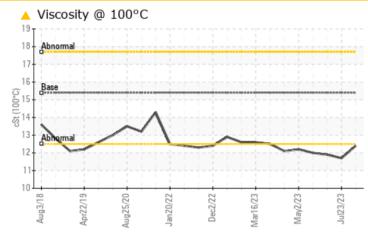


CHECK

# Machine Id 11319

Component Diesel Engine Fluid PETRO CANADA DURON SHP 15W40 (28 GAL)

# COMPONENT CONDITION SUMMARY



### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC	C TEST	RESULT	S			
Sample Status				ATTENTION	ATTENTION	ATTENTION
Visc @ 100°C	cSt	ASTM D445	15.4	<u> </u>	<b>11.7</b>	<b>1</b> 1.9

Customer Id: GFL010 Sample No.: GFL0091396 Lab Number: 05943290 Test Package: FLEET



To manage this report scan the QR code

*To discuss the diagnosis or test data:* Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

### **RECOMMENDED ACTIONS**

There are no recommended actions for this sample.

#### **HISTORICAL DIAGNOSIS**

23 Jul 2023 Diag: Sean Felton



No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



#### 22 Jun 2023 Diag: Don Baldridge

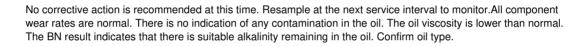


No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.





#### 19 May 2023 Diag: Don Baldridge







# **OIL ANALYSIS REPORT**

Sample Rating Trend

## VISCOSITY

# Machine Id 11319

Component

Diesel Engine

# PETRO CANADA DURON SHP 15W40 (28 GAL)

# DIAGNOSIS

### A Recommendation

No corrective action is recommended at this time. 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.

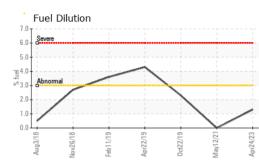
#### Fluid Condition

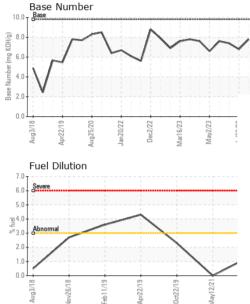
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

iAL)		ug2018 Apr2	019 Aug2020 Jan2022	Dec2022 Mar2023 May2023	Jul2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0091396	GFL0088721	GFL0083187
Sample Date		Client Info		01 Sep 2023	23 Jul 2023	22 Jun 2023
Machine Age	hrs	Client Info		6537	6391	6221
Oil Age	hrs	Client Info		154	636	466
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				ATTENTION	ATTENTION	ATTENTION
CONTAMINAT	ION	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>75	4	12	8
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>15	1	2	<1
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>100	<1	<1	1
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	10	8	11
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	57	62	62
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	1010	778	769	665
Calcium	ppm	ASTM D5185m	1070	1112	1102	1083
Phosphorus	ppm	ASTM D5185m	1150	896	927	886
Zinc	ppm	ASTM D5185m	1270	1115	1124	1049
Sulfur	ppm	ASTM D5185m	2060	3308	3166	2695
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	3	3
Sodium	ppm	ASTM D5185m		20	52	42
Potassium	ppm	ASTM D5185m	>20	2	<1	3
Fuel	%	ASTM D3524	>3.0	<1.0	<1.0	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.2	0.4	0.3
Nitration	Abs/cm	*ASTM D7624	>20	6.5	8.7	7.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.1	17.9	17.6
					history1	history2
FLUID DEGRAI	DATION	method	limit/base	current	Thistory I	Thistory 2
FLUID DEGRAI	DATION Abs/.1mm	*ASTM D7414	limit/base	11.3	13.8	13.0

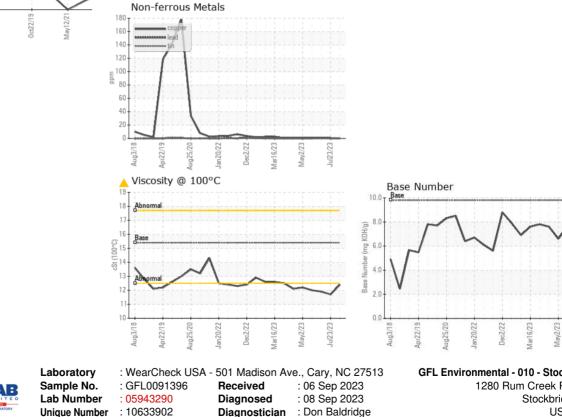


# **OIL ANALYSIS REPORT**





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	<b>12.4</b>	<b>1</b> 1.7	<b>1</b> 1.9
GRAPHS						
GRAPHS Ferrous Alloys						



Dec2/22

Aar16/23

 Certificate 12307
 Test Package
 : FLEET (Additional Tests: FuelDilution)

 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)

Aug3/18

ug25/20

Jan 20/22