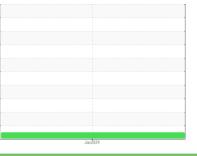


## **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id OR1045

#### Component **Diesel Engine** Fluic

PETRO CANADA DURON SHP 10W30 (--- 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.

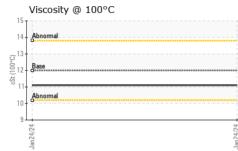
## Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0107885		
Sample Date		Client Info		24 Jan 2024		
Machine Age	hrs	Client Info		1533		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	1		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>4	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>3	0		
Aluminum	ppm	ASTM D5185(m)	>20	1		
Lead	ppm	ASTM D5185(m)	>40	0		
Copper	ppm	ASTM D5185(m)	>330	<1		
Tin	ppm	ASTM D5185(m)	>15	0		
Antimony	ppm	ASTM D5185(m)	210	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES	1- 1-	method	limit/base	current	history1	history2
Boron	nom	ASTM D5185(m)	2	14		
Barium	ppm ppm	ASTM D5185(m)	0	0		
Molybdenum		ASTM D5185(m)	50	58		
Manganese	ppm ppm	ASTM D5185(m)		0		
Magnesium		ASTM D5185(m)	950	922		
Calcium	ppm ppm	ASTM D5185(m)	1050	1055		
Phosphorus	ppm	ASTM D5185(m)	995	1055		
Zinc	ppm	ASTM D5185(m)	1180	1130		
Sulfur		ASTM D5185(m)	2600	2798		
Lithium	ppm ppm	ASTM D5185(m)	2000	<1		
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3		
Sodium	ppm	ASTM D5185(m)		<1		
Potassium	ppm	ASTM D5185(m)	>20	<1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0		
Nitration	Abs/cm	ASTM D7624*	>20	4.7		
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.6		



# **OIL ANALYSIS REPORT**





Report Id: GFL310 [WCAMIS] 02614897 (Generated: 02/13/2024 09:02:06) Rev: 1

Validity of results and interpretation are based on the sample and information as supplied.

CALA

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Laboratory

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Contact/Location: Joshua Lourenco - GFL310

F: