

# **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL



Machine Id 101096 Component

Diesel Engine

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

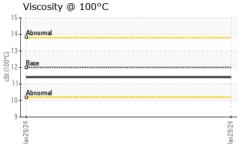
## **Fluid Condition**

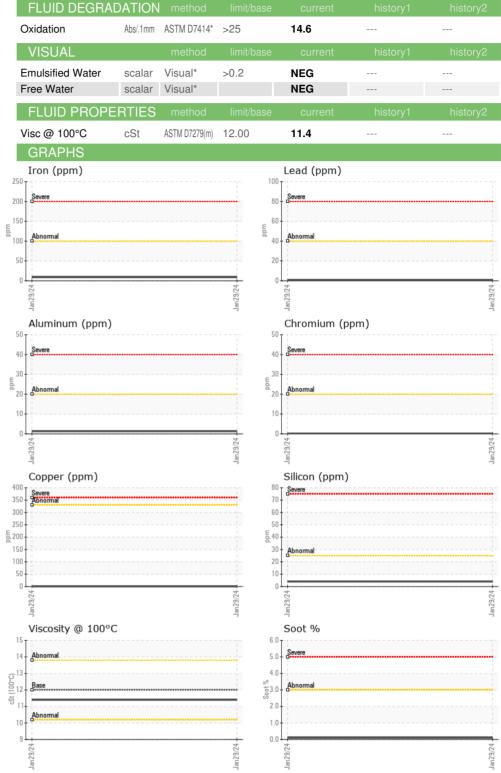
The condition of the oil is acceptable for the time in service.

AL)				Jan2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0107883		
Sample Date		Client Info		29 Jan 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINA	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR META	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>100	9		
Chromium	ppm	ASTM D5185(m)	>20	<1		
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		
_ead		ASTM D5185(m)	>40	<1		
	ppm	ASTM D5185(m)	>330	<1		
Copper Tin	ppm	,	>15	0		
	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)		-		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	12		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	50	61		
Manganese	ppm	ASTM D5185(m)	0	0		
Magnesium	ppm	ASTM D5185(m)	950	968		
Calcium	ppm	ASTM D5185(m)		1137		
Phosphorus	ppm	ASTM D5185(m)	995	1045		
Zinc	ppm	ASTM D5185(m)	1180	1201		
Sulfur	ppm	ASTM D5185(m)	2600	2812		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4		
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	0.1		
Nitration	Abs/cm	ASTM D7624*	>20	6.6		
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.3		



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: GFL0107883 Lab Number : 02614899 Unique Number : 5723994

Test Package : MOB 1

Received **Tested** Diagnosed

: 12 Feb 2024 : 12 Feb 2024

: 12 Feb 2024 - Wes Davis

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 310 - Winnipeg #360 - 555 Hervo Street, Winnipeg, MB CA R3T 3L6

Contact: Joshua Lourenco jlourenco@gflenv.com T: (204)987-9600

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

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