

## **OIL ANALYSIS REPORT**

Sample Rating Trend





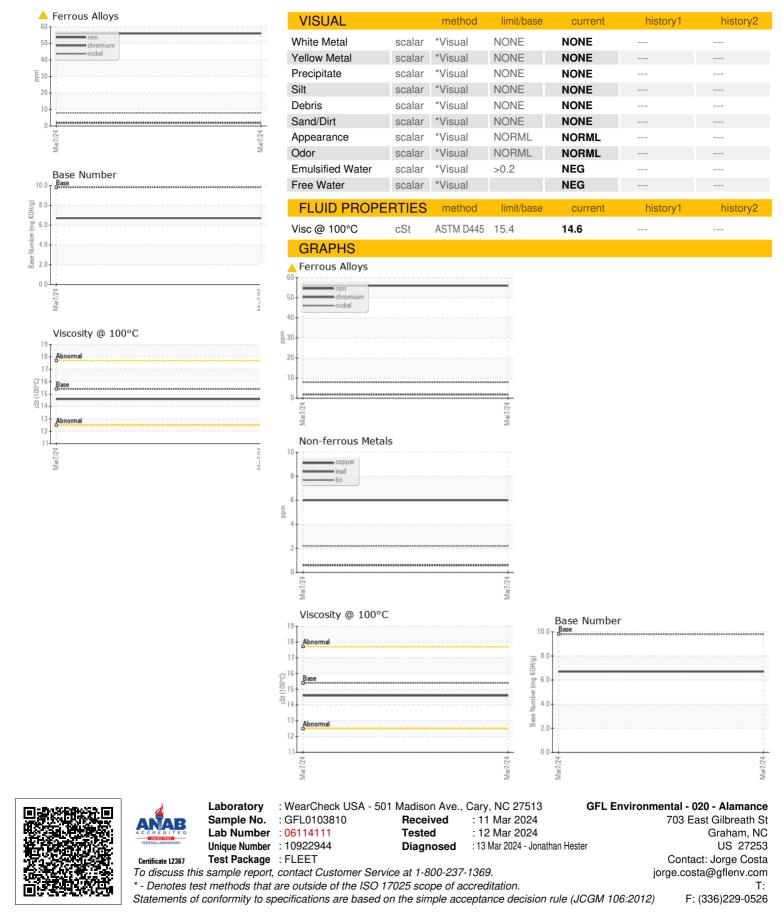
Area 020 922049 Component **Diesel Engine** 

## Fluid PETRO CANADA DURON SHP 15W40 (38 QTS)

DIAGNOSIS	SAMPLE INFORI		mothod	limit/base	ourropt	historyd	history?
				millibase		history1	history2
A Recommendation	Sample Number		Client Info		GFL0103810		
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Date		Client Info		07 Mar 2024		
	Machine Age	hrs	Client Info		4784		
A Wear	Oil Age	hrs	Client Info		650		
Valve wear is indicated.	Oil Changed		Client Info		Not Changd		
Contamination	Sample Status				ABNORMAL		
There is no indication of any contamination in the oil.	CONTAMINAT	ION	method	limit/base	current	history1	history2
Fluid Condition	Fuel		WC Method		<1.0		
The BN result indicates that there is suitable	Water		WC Method	>0.2	NEG		
alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Glycol	_	WC Method		NEG		
	WEAR METAL	S	method	limit/base	e current	history1	history2
	Iron	ppm	ASTM D5185m	>120	56		
	Chromium	ppm	ASTM D5185m	>20	2		
	Nickel	ppm	ASTM D5185m		<u> </u>		
	Titanium	ppm	ASTM D5185m	>2	<1		
	Silver	ppm	ASTM D5185m		<1		
	Aluminum	ppm	ASTM D5185m	>20	3		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		6		
	Tin	ppm	ASTM D5185m		2		
	Vanadium	ppm	ASTM D5185m		<1		
	Cadmium	ppm	ASTM D5185m		<1		
	ADDITIVES		method	limit/base	e current	history1	history2
	Boron	ppm	ASTM D5185m	0	5		
	Barium	ppm	ASTM D5185m	0	0		
	Molybdenum	ppm	ASTM D5185m	60	81		
	Manganese	ppm	ASTM D5185m	0	1		
	Magnesium	ppm	ASTM D5185m	1010	760		
	Calcium	ppm	ASTM D5185m	1070	1469		
	Phosphorus	ppm	ASTM D5185m	1150	1104		
	Zinc	ppm	ASTM D5185m	1270	1330		
	Sulfur	ppm	ASTM D5185m	2060	2966		
	CONTAMINAN	TS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	7		
	Sodium	ppm	ASTM D5185m		2		
	Potassium	ppm	ASTM D5185m	>20	4		
	INFRA-RED		method	limit/base	e current	history1	history2
	Soot %	%	*ASTM D7844	>4	1.1		
	Nitration	Abs/cm	*ASTM D7624		10.4		
		Abs/.1mm	*ASTM D7415		24.1		
	Sulfation	MU3/.111111	710111107410				
	Sulfation FLUID DEGRAE			limit/base	e current	history1	history2
	FLUID DEGRA	DATION	method	limit/base			
		DATION Abs/.1mm		limit/base	e current 21.2 6.7	history1 	history2



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Submitted By: JEREMY SHORES