

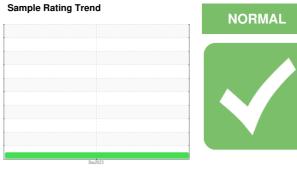
# **OIL ANALYSIS REPORT**

Machine Id **427165 - SW4736** 

Component

**Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (--- GAL)



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

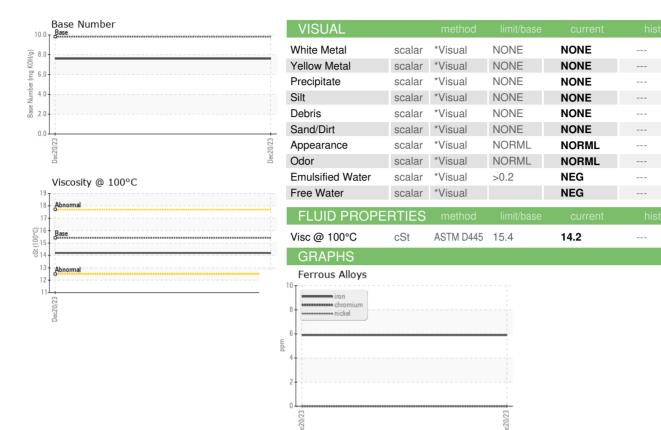
## **Fluid Condition**

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

GAL)				Dec2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0066521		
Sample Date		Client Info		20 Dec 2023		
Machine Age	mls	Client Info		423254		
Oil Age	mls	Client Info		423254		
Oil Changed		Client Info		Not Changd		
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
Iron	ppm	ASTM D5185m	>100	6		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	2		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	0		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	213		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	45		
Manganese	ppm	ASTM D5185m	0	0		
Magnesium	ppm	ASTM D5185m	1010	212		
Calcium	ppm	ASTM D5185m	1070	1803		
Phosphorus	ppm	ASTM D5185m	1150	953		
Zinc	ppm	ASTM D5185m	1270	1191		
Sulfur	ppm	ASTM D5185m	2060	3512		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	6		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	6.2		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.4		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.2		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.6		



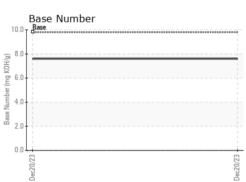
# **OIL ANALYSIS REPORT**



Non-ferrous Metals









Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: GFL0066521 : 06044441 : 10805049 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 26 Dec 2023 Recieved Diagnosed Diagnostician : Don Baldridge

: 27 Dec 2023

GFL Environmental - 977 - Montgomery Hauling 17851 Highway 105 E

Conroe, TX US 77306

Contact: CHRIS YOUNG christophery@gflenv.com T:

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)

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