

# **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL



Machine Id **222122** 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

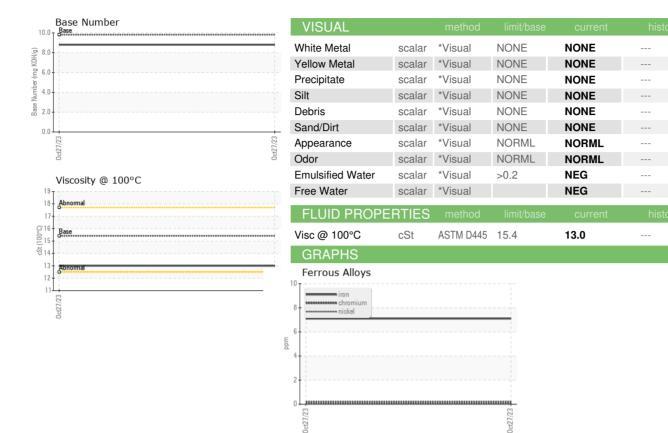
## **Fluid Condition**

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

GAL)				0ct2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0094809		
Sample Date		Client Info		27 Oct 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
Fuel		WC Method	>2.0	<1.0		
Glycol		WC Method	72.0	NEG		
WEAR METAI	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	7		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm		>20	1		
Lead	ppm	ASTM D5185m	>40	1		
Copper	ppm	ASTM D5185m		<1		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m	7.0	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	8		
Barium	ppm		0	0		
Molybdenum	ppm	ASTM D5185m	60	64		
Manganese	ppm	ASTM D5185m	0	0		
Magnesium	ppm	ASTM D5185m	1010	995		
Calcium	ppm	ASTM D5185m	1070	1082		
Phosphorus	ppm	ASTM D5185m	1150	1089		
Zinc	ppm	ASTM D5185m	1270	1334		
Sulfur	ppm	ASTM D5185m	2060	3320		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	5.4		
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.8		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.8		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.8		

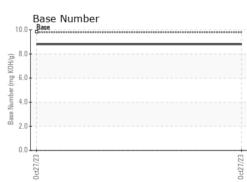


# **OIL ANALYSIS REPORT**



Non-ferrous Metals









Certificate L2367

Laboratory Sample No. Lab Number Unique Number Test Package : FLEET

: 05998800 : 10727160

(10°00) 15 ₹ 14

> 13 12

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0094809

Received Diagnosed Diagnostician

: 06 Nov 2023 : 07 Nov 2023 : Wes Davis

GFL Environmental - 868 - Childersburg Fines Hauling (Alpine) 13737 Plant Rd

Childersburg, AL US 35044

Contact: JONATHAN WILLIAMS

jonathan.williams@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)

F: