

# **OIL ANALYSIS REPORT**

Area (63179Z) 516006

**Diesel Engine** 

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

# Sample Rating Trend



# 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

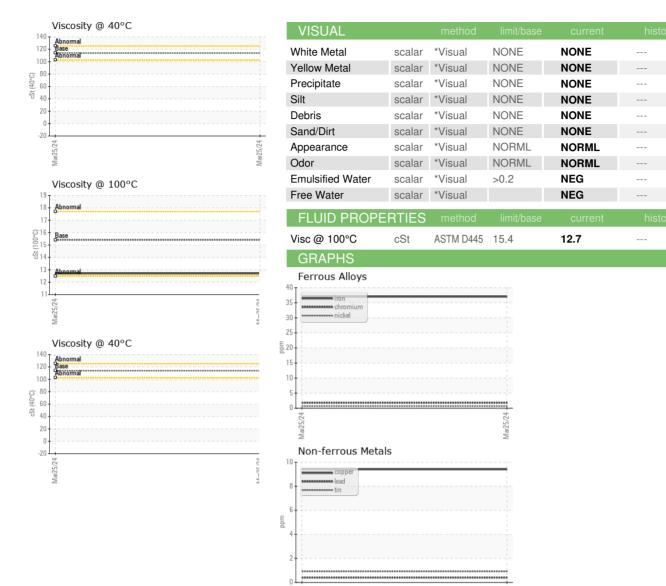
# **Fluid Condition**

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

āAL)				Mar2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0097826		
Sample Date		Client Info		25 Mar 2024		
Machine Age		Client Info		0		
Oil Age		Client Info		397		
Oil Changed		Client Info		N/A		
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 D5185m	>80	37		
Chromium	ppm	ASTM D5185m	>5	2		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>30	13		
Lead	ppm	ASTM D5185m	>30	<1		
Copper	ppm	ASTM D5185m	>150	9		
Tin	ppm	ASTM D5185m	>5	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	23		
Barium	ppm	ASTM D5185m	0	<1		
Molybdenum	ppm	ASTM D5185m	60	59		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	342		
Calcium	ppm	ASTM D5185m	1070	1875		
Phosphorus	ppm	ASTM D5185m	1150	966		
Zinc	ppm	ASTM D5185m	1270	1192		
Sulfur	ppm	ASTM D5185m	2060	2867		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	6		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	19		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	8.0		
Nitration	Abs/cm	*ASTM D7624	>20	11.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.6		
FLUID DEGRAI	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	25.3		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	5.40		



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Laboratory Sample No.

Lab Number : 06133909 Unique Number: 10953374

()-00 15 ₹ 14

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0097826 Received **Tested** 

Diagnosed

: 29 Mar 2024 : 03 Apr 2024

: 03 Apr 2024 - Sean Felton

(mg K0H/g)

0.0

Base Number

GFL Environmental - 957 - Pekin - Tazewell County 14379 Illinois Rte 29 South Pekin, IL US 61554

Contact: Bryan Link blink@gflenv.com T: (309)407-0130

Test Package: FLEET (Additional Tests: KV40) 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)

Viscosity @ 100°C

Report Id: GFL957 [WUSCAR] 06133909 (Generated: 04/03/2024 16:18:21) Rev: 1