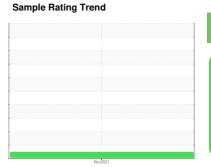


# **OIL ANALYSIS REPORT**

GFL029 **NOT GIVEN GFL0036707** 

**Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (--- Q





## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

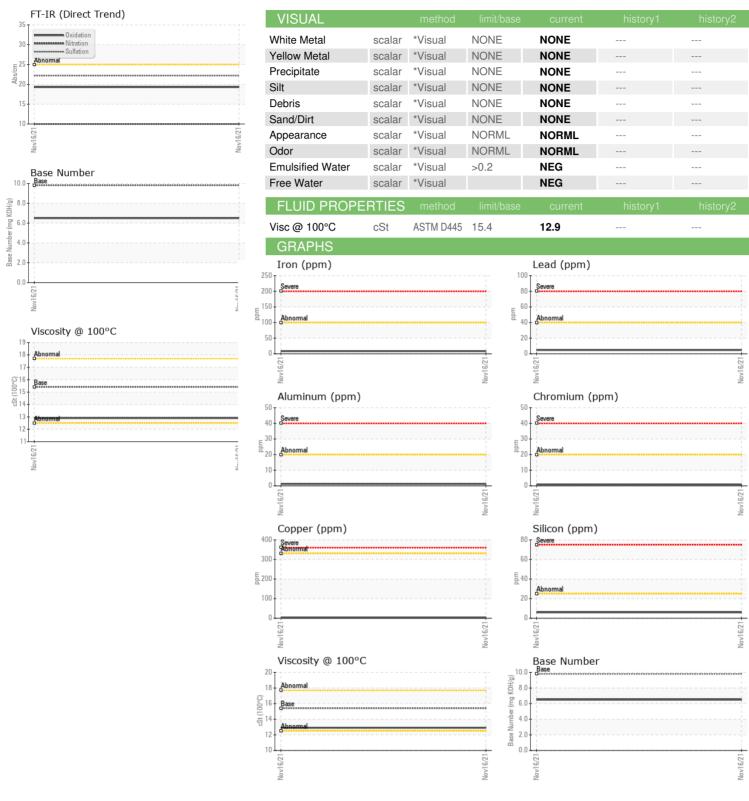
### Fluid Condition

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

QTS)				Nov2021		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	vii (1101)	Client Info		GFL0036707		
Sample Number		Client Info		16 Nov 2021		
Sample Date Machine Age	bro	Client Info		0		
Oil Age	hrs hrs	Client Info		0		
Oil Changed	1115	Client Info		N/A		
Sample Status		Ciletit IIIIO		NORMAL		
				NONWAL		
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	>100	8		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	1		
Lead	ppm	ASTM D5185m	>40	5		
Copper	ppm	ASTM D5185m	>330	2		
Tin	ppm	ASTM D5185m	>15	0		
Antimony	ppm	ASTM D5185m		1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	16		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	54		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	908		
Calcium	ppm	ASTM D5185m	1070	1154		
Phosphorus	ppm	ASTM D5185m	1150	971		
Zinc	ppm	ASTM D5185m	1270	1212		
Sulfur	ppm	ASTM D5185m	2060	3466		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3		
Nitration	Abs/cm	*ASTM D7624	>20	10		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2		
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.3		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	6.5		



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Test Package : MOB1+

: GFL0036707 Lab Number : 05403291 Unique Number : 9747454

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Nov 2021

> **Tested** : 18 Nov 2021

Diagnosed : 18 Nov 2021 - Wes Davis

US Contact: Service Manager

**GFL Environmental - SIF Number** 

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)

T:

F: