

OIL ANALYSIS REPORT

Area **GFL029** NOT GIVEN GFL0036706

Diesel Engine

Fluic PETRO CANADA DURON SHP 15W40 (--- QTS)

DIAGNOSIS

Recommendation

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

Wear

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.



Sample Rating Trend



SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0036706		
Sample Date		Client Info		16 Nov 2021		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
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	>100	33		
Chromium	ppm	ASTM D5185m	>20	2		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	4		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	1		
Tin	ppm	ASTM D5185m	>15	0		
Antimony	ppm	ASTM D5185m		2		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	6		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	55		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	951		
Calcium	ppm	ASTM D5185m	1070	1164		
Phosphorus	ppm	ASTM D5185m	1150	955		
Zinc	ppm	ASTM D5185m	1270	1218		
Sulfur	ppm	ASTM D5185m	2060	3479		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9		
Nitration	Abs/cm	*ASTM D7624	>20	9.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.9		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.3		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.6		
2:00:10) Dov: 1						

Contact/Location: Service Manager - GFLNOSIF



Vitration Sulfation

3

30

25

/ps/cm

10

10.0

(mg KOH/g) 8

mbe 4.

Base 2 (Jo V

E

ŝ

Abno 17 () 16 () 15 15 14 Base

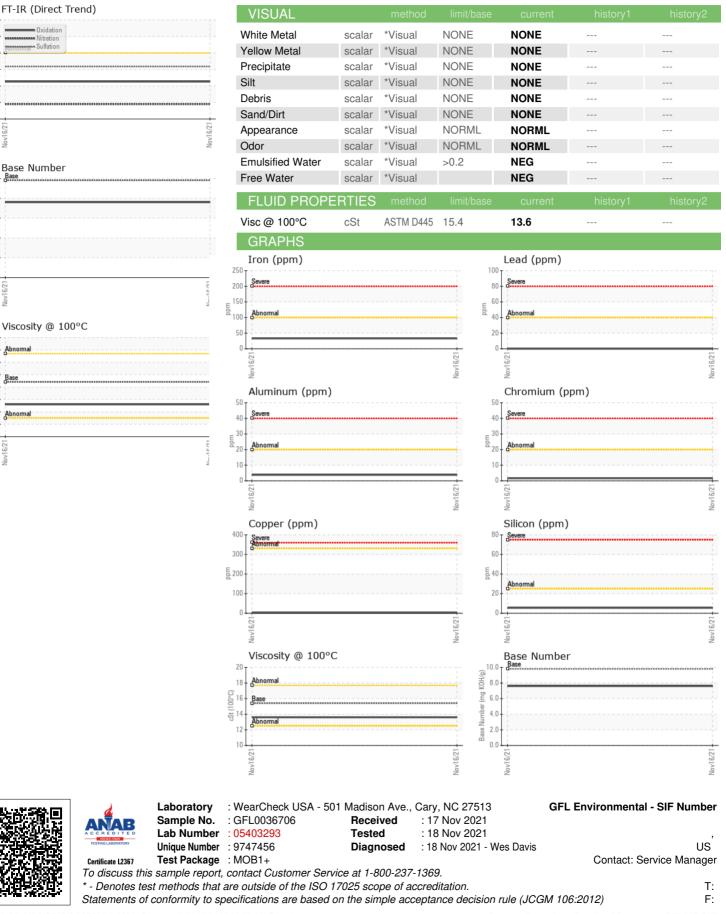
19 18

13 Abnormal

12

Nov16/21

OIL ANALYSIS REPORT



Contact/Location: Service Manager - GFLNOSIF