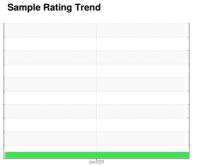


# **OIL ANALYSIS REPORT**

Samp



NORMAL



Machine Id
322005
Component
Diesel Engine

PETRO CANADA DURON UHP 5W30 (--- LTR)

## DIAGNOSIS

#### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

### Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

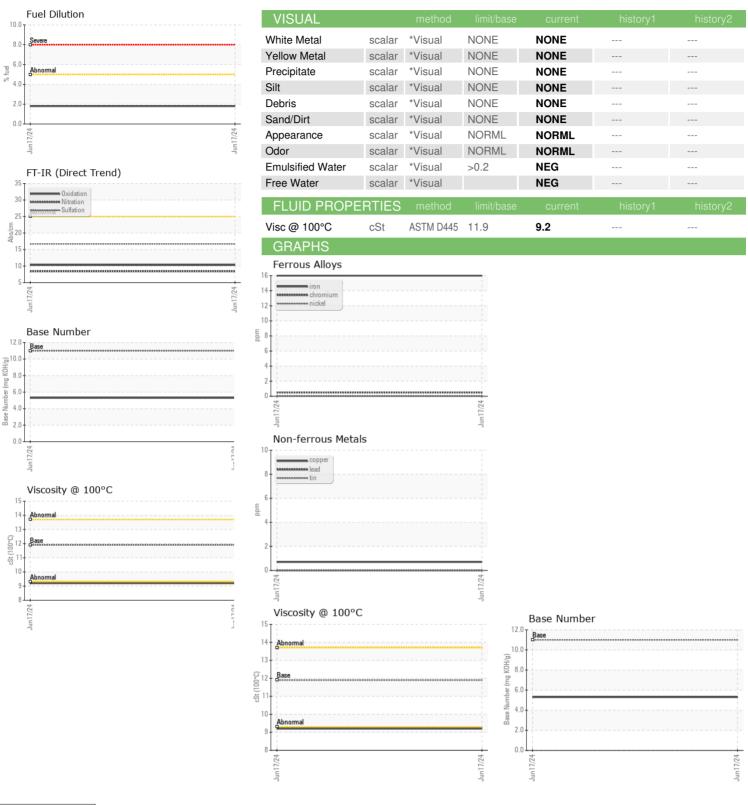
#### **Fluid Condition**

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

TR)				Jun 2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0124162		
Sample Date		Client Info		17 Jun 2024		
Machine Age	mls	Client Info		209109		
Oil Age	mls	Client Info		0		
•	11115	Client Info		Changed		
Oil Changed		Ciletit IIIIO		NORMAL		
Sample Status						
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	16		
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	2		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	<1		
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	77		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	64	67		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1160	475		
Calcium	ppm	ASTM D5185m	820	1107		
Phosphorus	ppm	ASTM D5185m	1160	658		
Zinc	ppm	ASTM D5185m	1260	758		
Sulfur	ppm	ASTM D5185m	3000	2373		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8		
Sodium	ppm	ASTM D5185m		9		
Potassium	ppm	ASTM D5185m	>20	6		
Fuel	%	ASTM D3524	>5	1.8		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0		
Nitration	Abs/cm	*ASTM D7624	>20	8.4		
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.7		
FLUID DEGRAI	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	10.3		
Base Number (BN)	mg KOH/g	ASTM D2896	11.0	5.3		
()	0 - 3					



## **OIL ANALYSIS REPORT**







Sample No.

: GFL0124162 Lab Number : 06216612 Unique Number : 11089476

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Jun 2024 **Tested** : 25 Jun 2024

Diagnosed Test Package : FLEET ( Additional Tests: FuelDilution, PercentFuel )

: 25 Jun 2024 - Sean Felton

Whitehall, MI US 49461 Contact: MITCH HERSHBERGER

GFL Environmental - 633 - Grand Haven

Certificate 12367 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)

Contact/Location: SEE GFLREG8 - MITCH HERSHBERGER - GFL633

T:

F:

1680 Peach St