

## **OIL ANALYSIS REPORT**

#### Sample Ra



# NOT GIVEN WC0727303

Component

**Diesel Engine** 

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

### DIAGNOSIS

#### Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

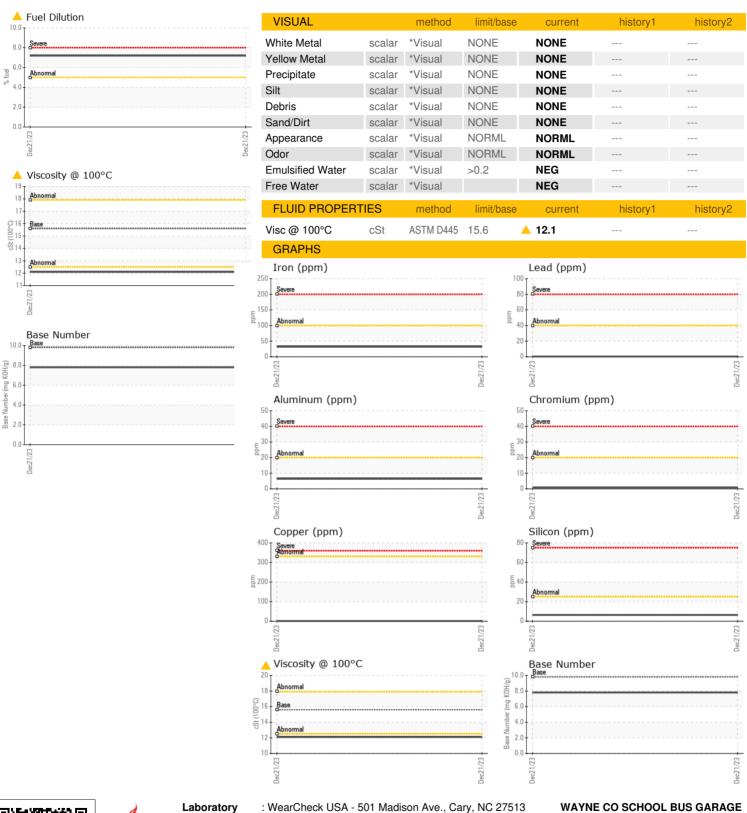
#### ▲ Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

L)				Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0727303		
Sample Date		Client Info		21 Dec 2023		
Machine Age	mls	Client Info		164783		
Dil Age	mls	Client Info		5000		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Vater		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	32		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Fitanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	6		
_ead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m		1		
Борреі Гіп		ASTM D5105m	>15	0		
≀iii Vanadium	ppm	ASTM D5185m	>10	0		
Cadmium	ppm	ASTM D5185m		0		
	ppm					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		58		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		871		
Calcium	ppm	ASTM D5185m		981		
Phosphorus	ppm	ASTM D5185m		920		
Zinc	ppm	ASTM D5185m		1116		
Sulfur	ppm	ASTM D5185m		2922		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	16		
Fuel	%	ASTM D3524	>5	<b>7.2</b>		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7		
Nitration	Abs/cm	*ASTM D7624		9.8		
Sulfation	Abs/.1mm	*ASTM D7624	>30	19.6		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.4		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.8		



## **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number **Unique Number** 

: WC0727303 : 06057253 : 10823202

: 10 Jan 2024 Recieved Diagnosed

: 12 Jan 2024 Diagnostician : Wes Davis

Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel, TBN) 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)

WAYNE CO SCHOOL BUS GARAGE

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