

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

INTERNATIONAL 8077 Component Diesel Engine Fluid

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

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

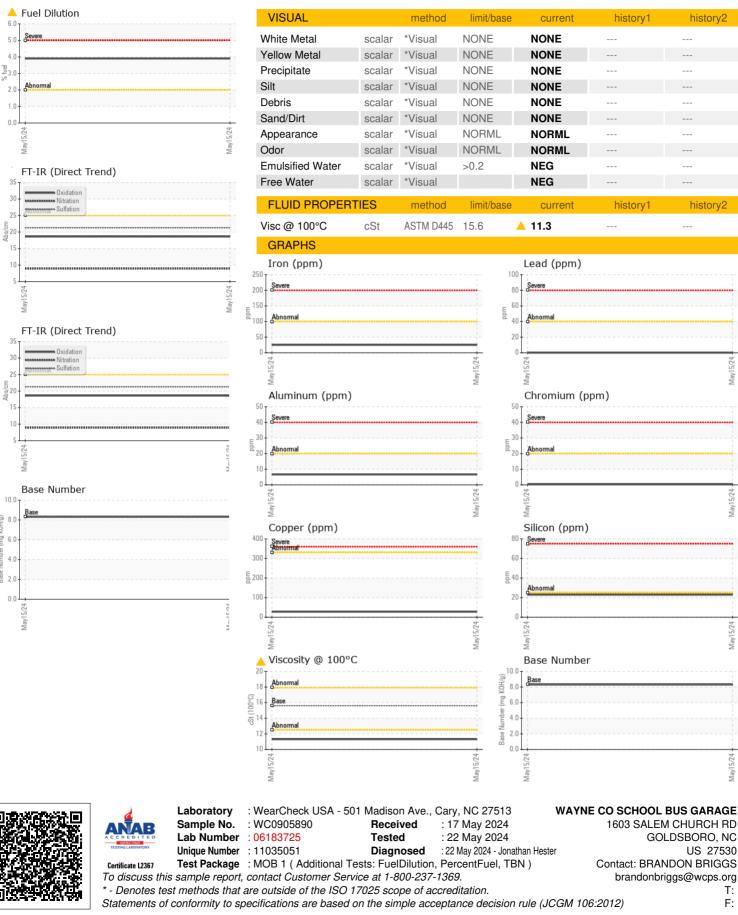
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0905890		
Sample Date		Client Info		15 May 2024		
Machine Age	mls	Client Info		4000		
Oil Age	mls	Client Info		4000		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	25		
Chromium	ppm	ASTM D5185m	>20	_0 <1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	7		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	28		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1	59		
Barium	ppm	ASTM D5185m	1	5		
Molybdenum	ppm	ASTM D5185m	60	52		
Manganese	ppm	ASTM D5185m	1	5		
Magnesium	ppm	ASTM D5185m	1010	853		
Calcium	ppm	ASTM D5185m	1070	1204		
Phosphorus	ppm	ASTM D5185m	1150	757		
Zinc	ppm	ASTM D5185m	1270	895		
Sulfur	ppm	ASTM D5185m	2060	2727		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	23		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	31		
Fuel	%	ASTM D3524	>2.0	A 3.9		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	8.9		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.3		
FLUID DEGRADA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.6		
Base Number (BN)	mg KOH/g	ASTM D2896	8.3	8.3		
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(mg KOH/g)

Base

OIL ANALYSIS REPORT



Contact/Location: BRANDON BRIGGS - WAYGOL

US 27530

T:

F:

history2

history2