

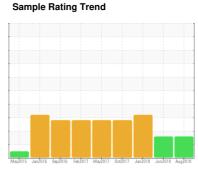
### **OIL ANALYSIS REPORT**

# OIL ANALTOIO NEI OI

# LA VEINTITRES LTDA 23 Machine Id TOYOTA COASTER AB5428

Component **Diesel Engine** 

PETRO CANADA DURON HP 15W40 (4 GAL)





#### **DIAGNOSIS**

#### Recommendation

The oil change at the time of sampling has been noted.

#### Wear

All component wear rates are normal.

#### Contamination

Light concentration of carbon/soot present in the oil.

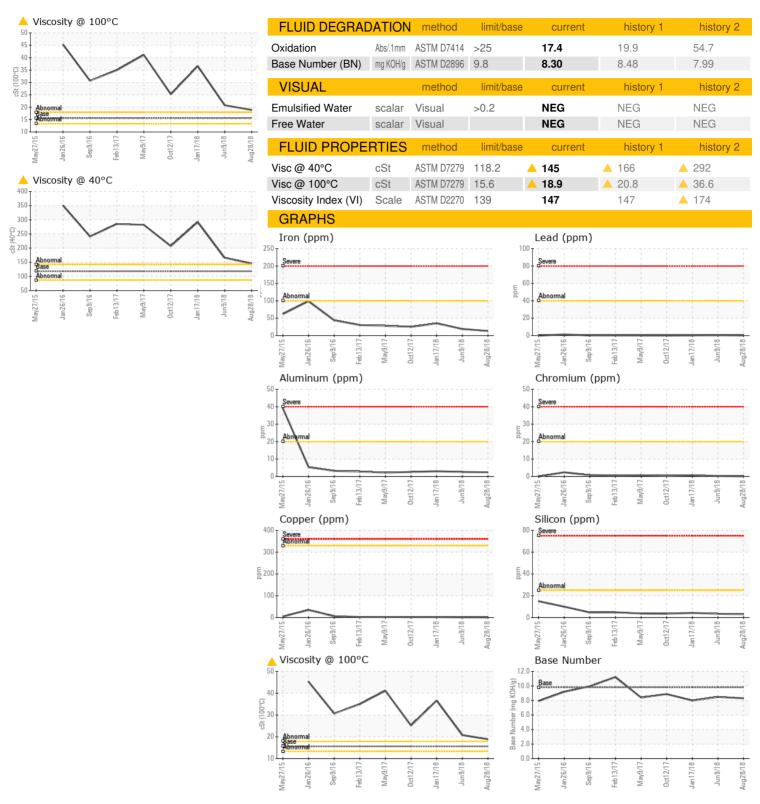
#### Fluid Condition

The oil viscosity is higher than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

				May2017 Oct2017 Jan2018 Jun20		
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number				PC977029	PC977989	PC402746
Sample Date				28 Aug 2018	09 Jun 2018	17 Jan 2018
Machine Age	kms			300560	289379	264762
Oil Age	kms			15598	11479	17600
Oil Changed				Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	SEVERE
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Fuel		ASTM D3524	>5	<1.0	<1.0	<1.0
Glycol		ASTM D2982		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185	>100	13	19	35
Chromium	ppm	ASTM D5185	>20	<1	<1	<1
Nickel	ppm	ASTM D5185	>2	0	0	<1
Titanium	ppm	ASTM D5185	>2	0	0	<1
Silver	ppm	ASTM D5185	>2	0	0	0
Aluminum	ppm	ASTM D5185	>20	2	3	3
Lead	ppm	ASTM D5185	>40	<1	<1	<1
Copper	ppm	ASTM D5185	>330	<1	1	2
Tin	ppm	ASTM D5185	>15	0	0	<1
Antimony	ppm	ASTM D5185		0	<1	1
Vanadium	ppm	ASTM D5185		0	0	0
Beryllium	ppm	ASTM D5185		0	0	0
Cadmium	ppm	ASTM D5185		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185	0	<1	<1	<1
Barium	ppm	ASTM D5185	0	0	0	0
Molybdenum	ppm	ASTM D5185	60	53	62	61
Manganese	ppm	ASTM D5185	0	<1	<1	<1
Magnesium	ppm	ASTM D5185	1010	861	1011	1009
Calcium	ppm	ASTM D5185	1070	1064	1068	1097
Phosphorus	ppm	ASTM D5185	1150	928	1039	1020
Zinc	ppm	ASTM D5185	1270	1134	1283	1279
Sulfur	ppm	ASTM D5185	2060	2376	2554	2453
Lithium	ppm	ASTM D5185		0	0	<1
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185	>25	3	3	4
Sodium	ppm	ASTM D5185		2	2	3
Potassium	ppm	ASTM D5185	>20	0	0	<1
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	ASTM D7686	>3	<b>4.4</b>	<b>4.8</b>	6.5
Nitration	Abs/cm	ASTM D7624	>20	13.9	16.4	25.1
Sulfation	Abs/.1mm	ASTM D7415		29.3	34.2	75.0



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Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Sample No. : WC1234567 Received : 02 Oct 2018

Lab Number Diagnosed : 01234567 : 03 Oct 2018 : 12345678 Diagnostician : Wes Davis **Unique Number** 

Test Package : MOB 2 ( Additional Tests: KV40, VI )

To discuss diagnosis or test data, contact Technical Support at 1-800-268-2131. To change component or sample information, contact Customer Service at 1-800-268-2131. **Cusany Logistics Inc.** 

1212 Industrial Place Centerville, OH USA 75900

Contact: Jim Leduc jim.leduc@cusanylogisticsinc.com

T: (305)555-1212 F: (305)555-1222