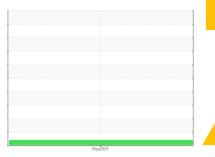


# **OIL ANALYSIS REPORT**

Sample Rating Trend



VISCOSITY



0128
Component
Gasoline Engine

Machine Id

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

### DIAGNOSIS

#### Recommendation

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

#### Wear

All component wear rates are normal.

#### Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

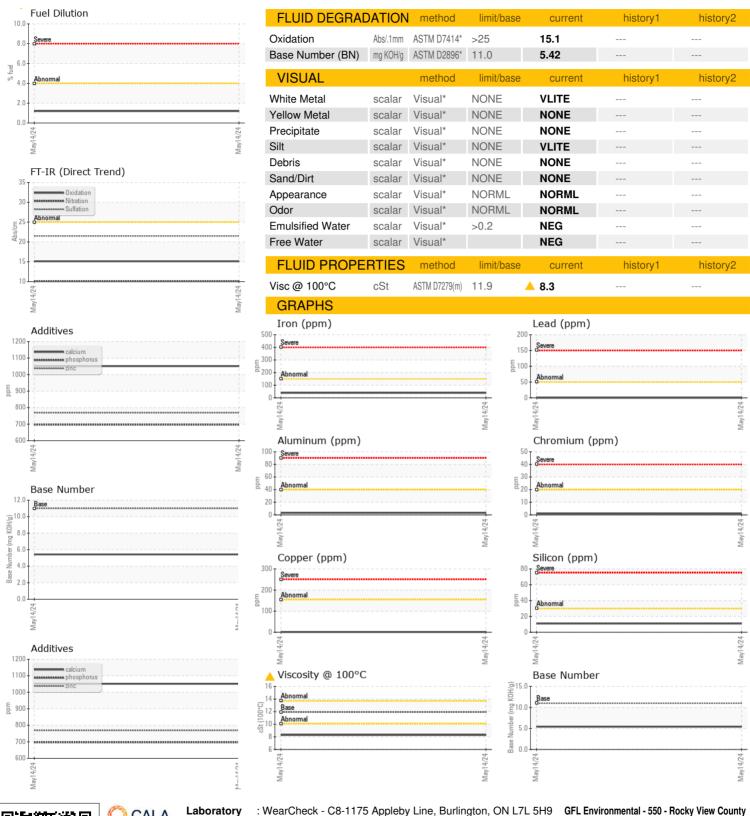
#### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. Viscosity of sample indicates oil is within SAE 20 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is suitable for further service.

AL)				May2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117341		
Sample Date		Client Info		14 May 2024		
Machine Age	kms	Client Info		332771		
Oil Age	kms	Client Info		20863		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
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 D5185(m)	>150	39		
Chromium	ppm	ASTM D5185(m)	>20	<1		
Nickel	ppm	ASTM D5185(m)	>5	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm	ASTM D5185(m)	>40	3		
Lead	ppm	ASTM D5185(m)	>50	0		
Copper	ppm	ASTM D5185(m)	>155	1		
Tin	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	19		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	64	143		
Manganese	ppm	ASTM D5185(m)	0	<1		
Magnesium	ppm	ASTM D5185(m)	1160	567		
Calcium	ppm	ASTM D5185(m)	820	1051		
Phosphorus	ppm	ASTM D5185(m)	1160	697		
Zinc	ppm	ASTM D5185(m)	1260	769		
Sulfur	ppm	ASTM D5185(m)	3000	1764		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	11		
Sodium	ppm	ASTM D5185(m)	>400	5		
Potassium	ppm	ASTM D5185(m)	>20	6		
Fuel	%	ASTM D7593*	>4.0	1.2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0		
Nitration	Abs/cm	ASTM D7624*	>20	10.1		
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.5		



## **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: GFL0117341

Lab Number : 02637857 Unique Number : 5787019

Received : 28 May 2024 **Tested** : 29 May 2024

Diagnosed : 29 May 2024 - Kevin Marson Test Package : MOB 2 ( Additional Tests: FuelDilution, PercentFuel )

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

220 Carmek Blvd Rocky View County, AB **CA T1X 1X1** 

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F: (403)369-6163

Submitted By: GFL Calgary