

# **OIL ANALYSIS REPORT**

Sample Rating Trend

### NORMAL

#### Area PARK ENERGY INVESTIGATION Machine Id YAGER A - ENGINE

Component Natural Gas Engine

PETRO CANADA SENTRON LA 2000 (6 QTS)

#### DIAGNOSIS

#### Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Mixture LA200 and Lucus. 75/25 ( Customer Sample Comment: Mixture LA200 and Lucus. 75/25 )

#### Wear

All component wear rates are normal.

#### Contamination

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

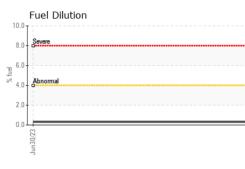
#### Fluid Condition

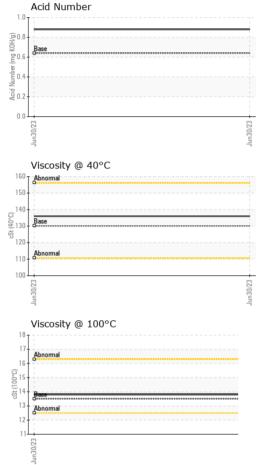
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

5)				Jun2023		
SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0073705		
Sample Date		Client Info		30 Jun 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		576		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
WEAR METAL	.S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	25		
Chromium	ppm	ASTM D5185m	>4	<1		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>9	11		
Lead	ppm	ASTM D5185m	>30	4		
Copper	ppm	ASTM D5185m	>35	3		
Tin	ppm	ASTM D5185m	>4	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	2	0		
Barium	ppm	ASTM D5185m	1	0		
Molybdenum	ppm	ASTM D5185m	1	3		
Manganese	ppm	ASTM D5185m	5	<1		
Magnesium	ppm	ASTM D5185m	1	16		
Calcium	ppm	ASTM D5185m	1237	1523		
Phosphorus	ppm	ASTM D5185m	270	341		
Zinc	ppm	ASTM D5185m	330	402		
Sulfur	ppm	ASTM D5185m	2670	3512		
CONTAMINAN	ITS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>+100	13		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	0		
Fuel	%	ASTM D3524	>4.0	0.3		
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844		0.1		
Nitration	Abs/cm	*ASTM D7624	>20	6.1		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.4		
FLUID DEGRA	DATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.4		
Acid Number (AN)	mg KOH/g	ASTM D8045	0.64	0.88		
Base Number (BN)	mg KOH/g	ASTM D2896	4.4	4.29		
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# **OIL ANALYSIS REPORT**









Viscosity @ 40°C

Abnormal

160

150

140

120 Ab

110

100

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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.

: 10549734

Diagnosed

: 12 Jul 2023

Diagnostician : Doug Bogart

: MOB 2 (Additional Tests: FuelDilution, KV40, PercentFuel, VI)

## BROKEN ARROW, OK US 74012 Contact: GARRETT BAPP

T:

F:

Certificate L2367

Laboratory

Sample No.

Lab Number

Unique Number

Test Package