

### **PROBLEM SUMMARY**

## Sample Rating Trend **DEGRADATION**

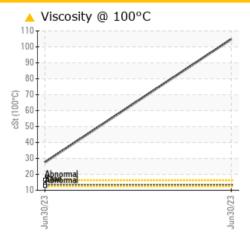


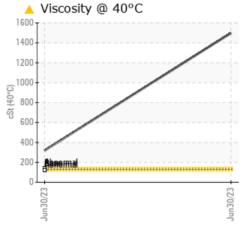
# PARK ENERGY INVESTIGATION TANK BULK SAMPLES

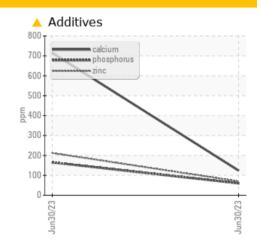
**Bulk Fluid Tank** 

PETRO CANADA SENTRON LA 2000 (500 GAL)

#### **COMPONENT CONDITION SUMMARY**







#### RECOMMENDATION

This is a baseline read-out on the submitted sample. Fresh - 100% Lucas ( Customer Sample Comment: Fresh - 100% Lucas )

#### PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION		
Calcium	ppm	ASTM D5185m	1237	<b>124</b>	715	
Phosphorus	ppm	ASTM D5185m	270	<b>60</b>	165	
Zinc	ppm	ASTM D5185m	330	<b>^</b> 70	212	
Base Number (BN)	mg KOH/g	ASTM D2896	4.4	<b>1.33</b>	4.05	
Visc @ 40°C	cSt	ASTM D445	130.1	<b>1498.</b>	319.2	
Visc @ 100°C	cSt	ASTM D445	13.5	<b>104.8</b>	27.56	

Customer Id: PETBRO Sample No.: PCA0073687 Lab Number: 05894144 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

### RECOMMENDED ACTIONS

There are no recommended actions for this sample.

### HISTORICAL DIAGNOSIS

30 Jun 2023 Diag:

UNKNOWN







### **OIL ANALYSIS REPORT**

### Sample Rating Trend

### **DEGRADATION**



history 2

# PARK ENERGY INVESTIGATION TANK BULK SAMPLES

**Bulk Fluid Tank** 

PETRO CANADA SENTRON LA 2000 (500 GAL)

#### **DIAGNOSIS**

#### Recommendation

This is a baseline read-out on the submitted sample. Fresh - 100% Lucas ( Customer Sample Comment: Fresh - 100% Lucas )

#### Fluid Condition

The oil viscosity is higher than normal. An additive depletion is indicated. The BN level is low.

Sample Number	Client Info		OC 4 0072697	PCANO
SAMPLE INFORMATION	method	limit/base	current	his
	<u> </u>	Jun 2023	Jun2023	
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Sample Number		Client Info		PCA0073687	PCA0073688	
Sample Date		Client Info		30 Jun 2023	30 Jun 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ATTENTION		
WEAR METAL	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m		0	0	
Chromium	ppm	ASTM D5185m		0	0	
Nickel	ppm	ASTM D5185m		<1	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		<1	2	
Aluminum	ppm	ASTM D5185m		<1	1	
Lead	ppm	ASTM D5185m		0	0	
Copper	ppm	ASTM D5185m		0	<1	
Tin	ppm	ASTM D5185m		0	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	<1	
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	2	7	4	
Barium	ppm	ASTM D5185m	1	2	2	
Molybdenum	ppm	ASTM D5185m	1	7	3	
Manganese	ppm	ASTM D5185m	5	0	0	
Magnesium	ppm	ASTM D5185m	1	16	12	
Calcium	ppm	ASTM D5185m	1237	<u> </u>	715	
Phosphorus	ppm	ASTM D5185m	270	<b>60</b>	165	
Zinc	ppm	ASTM D5185m	330	<u>^</u> 70	212	
Sulfur	ppm	ASTM D5185m	2670	3206	2863	
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m		<1	3	
Sodium	ppm	ASTM D5185m		5	2	
Potassium	ppm	ASTM D5185m	>20	1	1	
FLUID DEGRAD	ATION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/a	ASTM D8045	0.64	0.063		
Base Number (BN)				<b>△</b> 1.33	4.05	
VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual		NEG	NEG	
1( Free Water	scalar	*Visual		NEG	SEMmitted B	y: Garrett Bapp
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### **OIL ANALYSIS REPORT**

