

## **OIL ANALYSIS REPORT**

# SENTRON ASHLESS 40

Component
New (Unused) Oil
Fluid

PETRO CANADA SENTRON ASHLESS 40 (--- GAL)

# Sample Rating Trend NORMAL

#### Recommendation

This is a baseline read-out on the submitted sample.

#### Wear

{not applicable}

#### Contamination

{not applicable}

### **Fluid Condition**

{not applicable}

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		wc		
Sample Date		Client Info		19 Dec 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		0		
Chromium	ppm	ASTM D5185(m)		0		
Nickel	ppm	ASTM D5185(m)		<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)		<1		
Lead	ppm	ASTM D5185(m)		0		
Copper	ppm	ASTM D5185(m)		0		
Tin	ppm	ASTM D5185(m)		0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
,	1.1					
Cadmium	ppm	ASTM D5185(m)		0		
Cadmium ADDITIVES	ppm	ASTM D5185(m) method	limit/base	o current	history1	history2
		. ,	limit/base			
ADDITIVES	ppm ppm	method	106	current	history1	history2
ADDITIVES Boron	ppm ppm	method ASTM D5185(m)	106	current 90	history1	history2
ADDITIVES Boron Barium Molybdenum	ppm ppm	method  ASTM D5185(m)  ASTM D5185(m)	106	current 90 0	history1	history2
ADDITIVES Boron Barium	ppm ppm ppm	method  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)	106 <1 <1	current 90 0 <1	history1  	history2  
ADDITIVES  Boron Barium Molybdenum Manganese	ppm ppm ppm ppm	method  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)	106 <1 <1 <1	current 90 0 <1 0	history1	history2
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium	ppm ppm ppm ppm ppm	method  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)	106 <1 <1 <1 <1	current  90 0 <1 0 2	history1	history2
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus	ppm ppm ppm ppm ppm ppm	method  ASTM D5185(m)	106 <1 <1 <1	current  90 0 <1 0 2 631	history1	history2
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium	ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185(m)	106 <1 <1 <1 <1 <1	current  90 0 <1 0 0 2 631 <1	history1	history2
ADDITIVES  Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	method  ASTM D5185(m)	106 <1 <1 <1 <1	current  90 0 <1 0 2 631	history1	history2
ADDITIVES  Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185(m)	106 <1 <1 <1 <1 <1	current  90 0 <1 0 0 2 631 <1 92	history1	history2
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus  Zinc  Sulfur  Lithium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185(m)	106 <1 <1 <1 <1 <1 657	current  90 0 <1 0 0 2 631 <1 92 <1	history1	history2
ADDITIVES  Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium  CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185(m)	106 <1 <1 <1 <1 <1 657	current  90 0 0 <1 0 0 2 631 <1 92 <1	history1 history1	history2 history2
ADDITIVES  Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185(m)	106 <1 <1 <1 <1 <1 657	current  90 0 0 <1 0 0 2 631 <1 92 <1 current	history1 history1	history2 history2
ADDITIVES  Boron  Barium  Molybdenum  Manganese  Magnesium  Calcium  Phosphorus  Zinc  Sulfur  Lithium  CONTAMINANTS  Silicon  Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185(m)	106 <1 <1 <1 <1 <1 <557  limit/base	current  90 0 <1 0 0 2 631 <1 92 <1 current 1 <1	history1 history1	history2 history2
ADDITIVES  Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium  CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185(m)	106 <1 <1 <1 <1 <1 657 255  limit/base	current  90 0 0 <1 0 0 2 631 <1 92 <1 current 1 <1 <1	history1 history1	history2 history2
ADDITIVES  Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185(m)  MASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)	106 <1 <1 <1 <1 <1 657 255  limit/base	current  90 0 <1 0 0 2 631 <1 92 <1 current 1 current  1 current	history1 history1 history1	history2 history2 history2
ADDITIVES  Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185(m)  method  ASTM D5185(m)	106 <1 <1 <1 <1 <1 657 255  limit/base	current  90 0 <1 0 0 2 631 <1 92 <1 current 1 current 0	history1 history1 history1	history2 history2 history2
ADDITIVES  Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185(m)  method  ASTM D5185(m) ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m) ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m) ASTM D5185(m)  ASTM D5185(m)	106 <1 <1 <1 <1 <1 657 255  limit/base	current  90 0 0 <1 0 0 2 631 <1 92 <1 current 1 <1 current 0 2.2	history1 history1 history1	history2 history2 history2



## **OIL ANALYSIS REPORT**

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image
GRAPHS						
FT-IR Spectrum (A	bsorban	ce)				
3.5 Sample						
3.0 - Reference Difference						
2.5+						
2.0						
1.5-						
1.0+						
0.5	0				Mhm	A 1 1
0.0	/			M	1	harm
3900 3800 3700 3500 3400	3200 3100	2900 2800 2700 2600	2500 2500 Mayenumber (c	2000 2000 1900 1800 1700 1600	1500 1400 1300 1200 1100	900 800 700 600 600 500



**CALA** ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

: WC : 02604552 Unique Number : 5697637

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Recieved : 20 Dec 2023 Diagnosed : 21 Dec 2023 Diagnostician : Bill Quesnel

Test Package : TEST ( Additional Tests: FT-IR, ICP ) 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.

**WEARCHECK CANADA INC.** 

C8-1175 Appleby Line BURLINGTON, ON

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