



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**SENTRON LD SYNTH BLEND**

Component  
**New (Unused) Oil**

Fluid  
**PETRO CANADA SENTRON LD SYNTHETIC BLEND (--- LTR)**

## DIAGNOSIS

### Recommendation

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

### Wear

{not applicable}

### Contamination

{not applicable}

### Fluid Condition

{not applicable}

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC</b>	---	---
Sample Date	Client Info		<b>13 Dec 2023</b>	---	---
Machine Age	hrs Client Info		<b>0</b>	---	---
Oil Age	hrs Client Info		<b>0</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method		<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Chromium	ppm ASTM D5185(m)		<b>0</b>	---	---
Nickel	ppm ASTM D5185(m)		<b>0</b>	---	---
Titanium	ppm ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Aluminum	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Lead	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Copper	ppm ASTM D5185(m)		<b>0</b>	---	---
Tin	ppm ASTM D5185(m)		<b>0</b>	---	---
Antimony	ppm ASTM D5185(m)		<b>0</b>	---	---
Vanadium	ppm ASTM D5185(m)		<b>0</b>	---	---
Beryllium	ppm ASTM D5185(m)		<b>0</b>	---	---
Cadmium	ppm ASTM D5185(m)		<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	0	<b>1</b>	---	---
Barium	ppm ASTM D5185(m)	0	<b>&lt;1</b>	---	---
Molybdenum	ppm ASTM D5185(m)	0	<b>0</b>	---	---
Manganese	ppm ASTM D5185(m)	0	<b>0</b>	---	---
Magnesium	ppm ASTM D5185(m)	3	<b>3</b>	---	---
Calcium	ppm ASTM D5185(m)	1402	<b>1230</b>	---	---
Phosphorus	ppm ASTM D5185(m)	246	<b>223</b>	---	---
Zinc	ppm ASTM D5185(m)	305	<b>280</b>	---	---
Sulfur	ppm ASTM D5185(m)	2310	<b>2005</b>	---	---
Lithium	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)		<b>2</b>	---	---
Sodium	ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Potassium	ppm ASTM D5185(m)	>20	<b>0</b>	---	---

## INFRA-RED

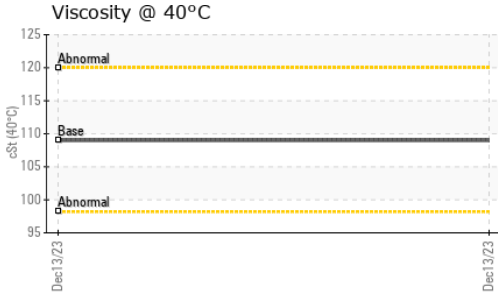
	method	limit/base	current	history1	history2
Soot %	% ASTM D7844*		<b>0</b>	---	---
Nitration	Abs/cm ASTM D7624*		<b>2.7</b>	---	---
Sulfation	Abs/.1mm ASTM D7415*		<b>14.2</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm ASTM D7414*		<b>8.3</b>	---	---



# OIL ANALYSIS REPORT



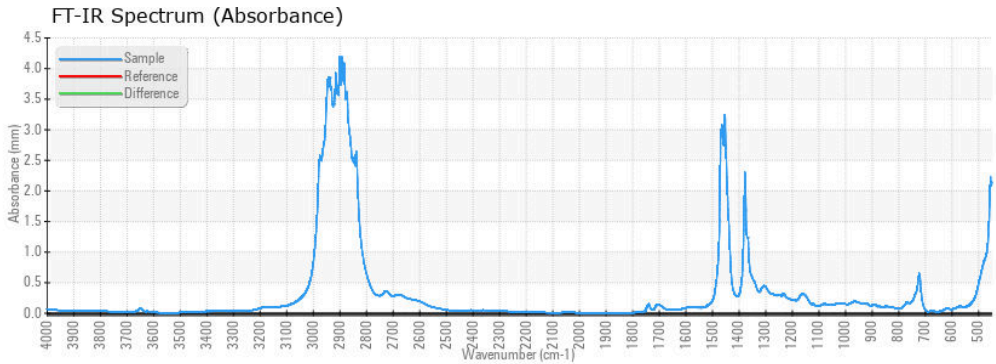
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	NEG	---	---	
Free Water	scalar	Visual*	NEG	---	---	

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	109.1	<b>109</b>	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color		no image	no image
Bottom		no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC **Received** : 14 Dec 2023  
**Lab Number** : **02603186** **Diagnosed** : 20 Dec 2023  
**Unique Number** : 5696271 **Diagnostician** : Bill Quesnel  
**Test Package** : TEST ( Additional Tests: FT-IR, ICP, KV40, Spat )

**WEARCHECK CANADA INC.**  
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 BURLINGTON, ON  
 CA L7L 5H9  
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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.