

# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**PETERBILT 1707**

Component  
**Blower**

Fluid  
**PETRO CANADA SYNDURO SHB ISO 220 (2 QTS)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0096095</b>	---	---
Sample Date	Client Info		<b>21 Nov 2023</b>	---	---
Machine Age	hrs	Client Info	<b>270</b>	---	---
Oil Age	hrs	Client Info	<b>270</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 D5185m	<b>279</b>	---	---
Chromium	ppm	ASTM D5185m	<b>2</b>	---	---
Nickel	ppm	ASTM D5185m	<b>1</b>	---	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	<b>6</b>	---	---
Lead	ppm	ASTM D5185m	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	<b>206</b>	---	---
Tin	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>1</b>	---	---
Barium	ppm	ASTM D5185m 5.0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>1</b>	---	---
Manganese	ppm	ASTM D5185m	<b>2</b>	---	---
Magnesium	ppm	ASTM D5185m 5.0	<b>25</b>	---	---
Calcium	ppm	ASTM D5185m 5.0	<b>42</b>	---	---
Phosphorus	ppm	ASTM D5185m 100	<b>552</b>	---	---
Zinc	ppm	ASTM D5185m 5.0	<b>109</b>	---	---
Sulfur	ppm	ASTM D5185m 1900	<b>557</b>	---	---

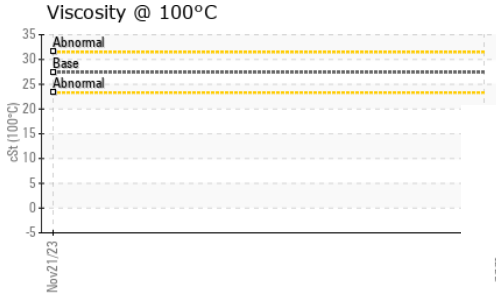
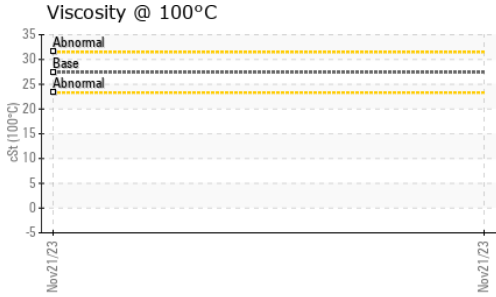
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<b>21</b>	---	---
Sodium	ppm	ASTM D5185m	<b>11</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>3</b>	---	---

## VISUAL

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

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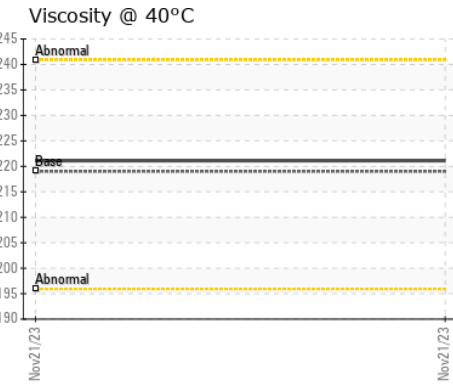
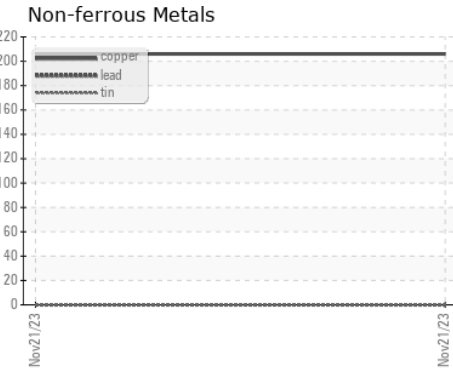
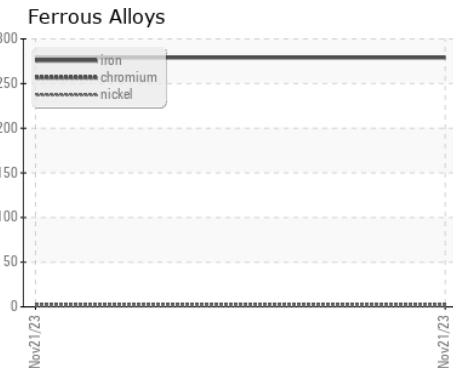
### FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	219	221.1	---	---

### SAMPLE IMAGES

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

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0096095 **Received** : 27 Nov 2023  
**Lab Number** : **06017738** **Diagnosed** : 30 Nov 2023  
**Unique Number** : 10756882 **Diagnostician** : Jonathan Hester  
**Test Package** : FLEET ( Additional Tests: FT-IR, KV100 )

**Z FORCE TRANSPORTATION INC**  
 700 E JOE ORR RD  
 CHICAGO HEIGHTS, IL  
 US 60411  
 Contact: MIKE PROCANIN  
 mprocanin@zforcetransportation.com

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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:  
F: