



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[23099]**  
 Machine Id  
**KOBUSCHI 1866**  
 Component  
**Unknown Component**  
 Fluid  
**PETRO CANADA SYNDURO SHB ISO 220 (--- GAL)**



## DIAGNOSIS

### Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. Please provide more complete information on your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the component(unconfirmed).

### Fluid Condition

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

## SAMPLE INFORMATION

|               | method      | limit/base  | current            | history1 | history2 |
|---------------|-------------|-------------|--------------------|----------|----------|
| Sample Number | Client Info |             | <b>WC0876531</b>   | ---      | ---      |
| Sample Date   | Client Info |             | <b>01 Dec 2023</b> | ---      | ---      |
| Machine Age   | hrs         | Client Info | <b>710</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>&lt;1</b> | ---      | ---      |
| Titanium  | ppm    | ASTM D5185(m) | <b>0</b>     | ---      | ---      |
| Silver    | ppm    | ASTM D5185(m) | <b>&lt;1</b> | ---      | ---      |
| Aluminum  | ppm    | ASTM D5185(m) | <b>0</b>     | ---      | ---      |
| Lead      | ppm    | ASTM D5185(m) | <b>&lt;1</b> | ---      | ---      |
| Copper    | ppm    | ASTM D5185(m) | <b>&lt;1</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

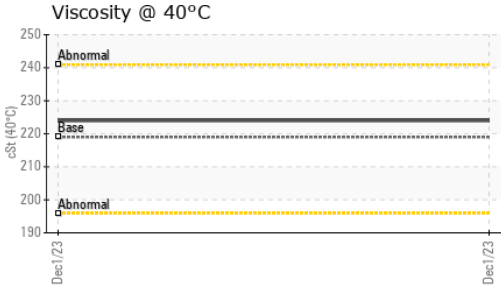
|            | method | limit/base         | current      | history1 | history2 |
|------------|--------|--------------------|--------------|----------|----------|
| Boron      | ppm    | ASTM D5185(m)      | <b>&lt;1</b> | ---      | ---      |
| Barium     | ppm    | ASTM D5185(m) 5.0  | <b>&lt;1</b> | ---      | ---      |
| Molybdenum | ppm    | ASTM D5185(m)      | <b>0</b>     | ---      | ---      |
| Manganese  | ppm    | ASTM D5185(m)      | <b>0</b>     | ---      | ---      |
| Magnesium  | ppm    | ASTM D5185(m) 5.0  | <b>0</b>     | ---      | ---      |
| Calcium    | ppm    | ASTM D5185(m) 5.0  | <b>&lt;1</b> | ---      | ---      |
| Phosphorus | ppm    | ASTM D5185(m) 100  | <b>383</b>   | ---      | ---      |
| Zinc       | ppm    | ASTM D5185(m) 5.0  | <b>2</b>     | ---      | ---      |
| Sulfur     | ppm    | ASTM D5185(m) 1900 | <b>150</b>   | ---      | ---      |
| Lithium    | ppm    | ASTM D5185(m)      | <b>&lt;1</b> | ---      | ---      |

## CONTAMINANTS

|           | method | limit/base        | current      | history1 | history2 |
|-----------|--------|-------------------|--------------|----------|----------|
| Silicon   | ppm    | ASTM D5185(m)     | <b>22</b>    | ---      | ---      |
| Sodium    | ppm    | ASTM D5185(m)     | <b>&lt;1</b> | ---      | ---      |
| Potassium | ppm    | ASTM D5185(m) >20 | <b>0</b>     | ---      | ---      |



# OIL ANALYSIS REPORT



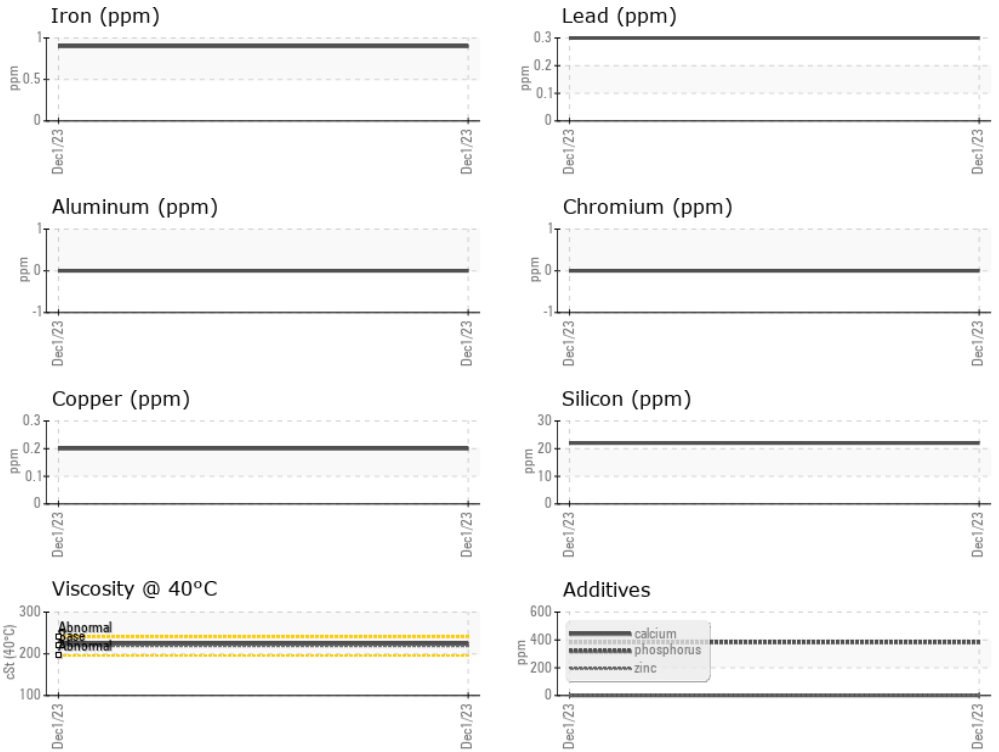
| VISUAL           | method | limit/base | current | history1 | history2 |     |
|------------------|--------|------------|---------|----------|----------|-----|
| White Metal      | scalar | Visual*    | NONE    | NONE     | ---      | --- |
| Yellow Metal     | scalar | Visual*    | NONE    | NONE     | ---      | --- |
| 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) | 219     | <b>224</b> | ---      | --- |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|

|        |  |  |  |          |          |
|--------|--|--|--|----------|----------|
| Color  |  |  |  | no image | no image |
| Bottom |  |  |  | no image | no image |

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0876531 **Received** : 06 Dec 2023  
**Lab Number** : **02601327** **Diagnosed** : 07 Dec 2023  
**Unique Number** : 5694412 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1

**OX FLEET CARE**  
 466 HIGHWAY 52  
 DUNDAS, ON  
 CA L9H 5E2  
 Contact: Jon Burgess  
 jon.burgess@ox-equipment.com

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.

T:  
F: