



|                 |               |
|-----------------|---------------|
| WEAR            | <b>NORMAL</b> |
| CONTAMINATION   | <b>NORMAL</b> |
| FLUID CONDITION | <b>NORMAL</b> |



Area  
**KEMP QUARRIES / BCS - GRAVETTE [69060]**  
Machine Id  
**WL125**  
Component  
**Transmission (Manual)**  
Fluid  
**PETRO CANADA PRODURO TO-4 SAE 30 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. ( Customer Sample Comment: Pm1 )

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>PCA0108495</b>  | PCA0069842  | PCA0086354  |
| Sample Date    |     | Client Info |           | <b>13 May 2024</b> | 21 Dec 2023 | 16 Jun 2023 |
| Machine Age    | hrs | Client Info |           | <b>399020</b>      | 399020      | 39423       |
| Oil Age        | hrs | Client Info |           | <b>399020</b>      | 71821       | 39423       |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Oil Changed    |     | Client Info |           | <b>N/A</b>         | Changed     | N/A         |
| Filter Changed |     | Client Info |           | <b>N/A</b>         | Changed     | Changed     |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

**WEAR**

All component wear rates are normal.

|              |        |             |      |              |      |      |
|--------------|--------|-------------|------|--------------|------|------|
| Iron         | ppm    | ASTM D5185m | >200 | <b>7</b>     | 5    | 8    |
| Chromium     | ppm    | ASTM D5185m | >5   | <b>&lt;1</b> | 0    | 0    |
| Nickel       | ppm    | ASTM D5185m | >5   | <b>0</b>     | 0    | 0    |
| Titanium     | ppm    | ASTM D5185m |      | <b>&lt;1</b> | 0    | 0    |
| Silver       | ppm    | ASTM D5185m | >7   | <b>&lt;1</b> | 0    | 0    |
| Aluminum     | ppm    | ASTM D5185m | >25  | <b>&lt;1</b> | <1   | 0    |
| Lead         | ppm    | ASTM D5185m | >45  | <b>5</b>     | 0    | <1   |
| Copper       | ppm    | ASTM D5185m | >225 | <b>31</b>    | 51   | 70   |
| Tin          | ppm    | ASTM D5185m | >10  | <b>&lt;1</b> | <1   | 0    |
| Vanadium     | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | 0    |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |

**CONTAMINATION**

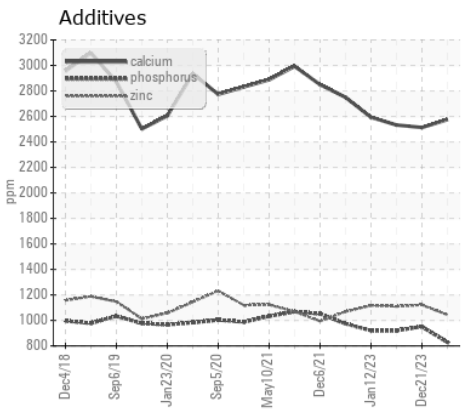
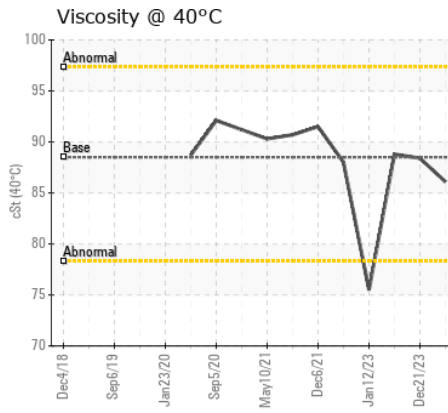
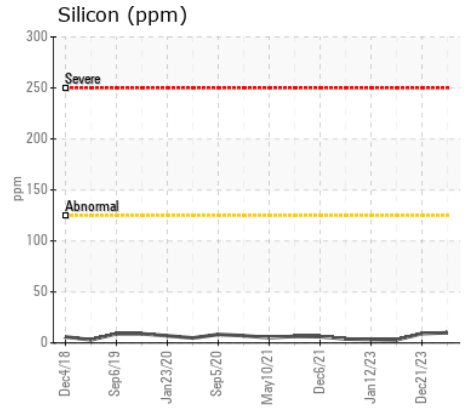
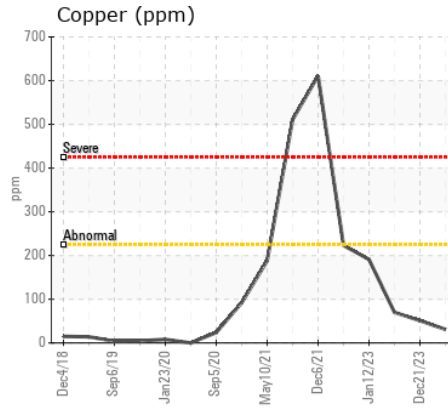
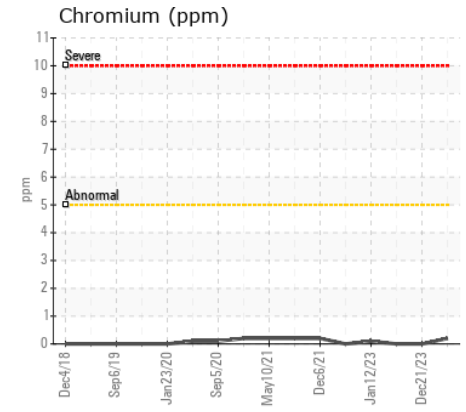
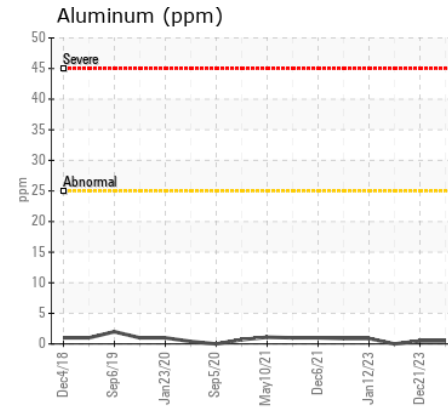
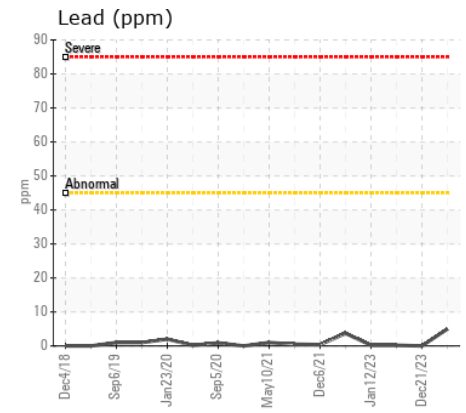
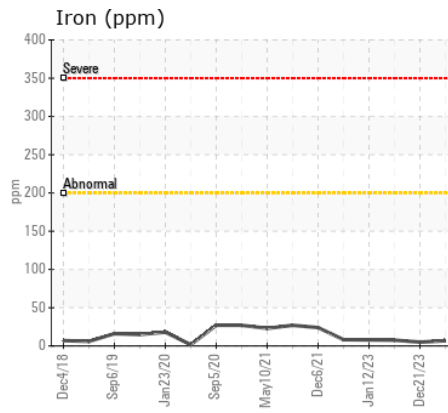
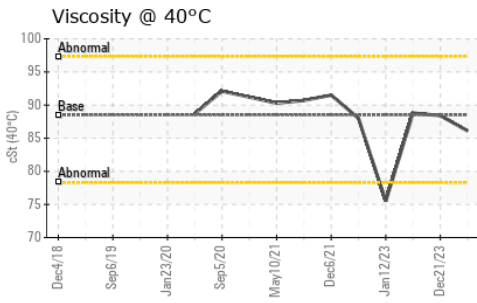
There is no indication of any contamination in the component.

|                  |        |             |       |              |       |       |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >125  | <b>10</b>    | 9     | 3     |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>2</b>     | <1    | 2     |
| Water            |        | WC Method   | >0.1  | <b>NEG</b>   | NEG   | NEG   |
| Silt             | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Debris           | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Sand/Dirt        | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Appearance       | scalar | *Visual     | NORML | <b>NORML</b> | NORML | NORML |
| Odor             | scalar | *Visual     | NORML | <b>NORML</b> | NORML | NORML |
| Emulsified Water | scalar | *Visual     | >0.1  | <b>NEG</b>   | NEG   | NEG   |

**FLUID CONDITION**

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

|             |     |             |      |             |      |      |
|-------------|-----|-------------|------|-------------|------|------|
| Sodium      | ppm | ASTM D5185m |      | <b>0</b>    | 2    | 0    |
| Boron       | ppm | ASTM D5185m | 2    | <b>5</b>    | 2    | 3    |
| Barium      | ppm | ASTM D5185m | 0    | <b>0</b>    | 0    | 0    |
| Molybdenum  | ppm | ASTM D5185m | 0    | <b>2</b>    | 3    | 5    |
| Manganese   | ppm | ASTM D5185m | 9    | <b>0</b>    | <1   | <1   |
| Magnesium   | ppm | ASTM D5185m | 1    | <b>22</b>   | 69   | 64   |
| Calcium     | ppm | ASTM D5185m | 3131 | <b>2575</b> | 2513 | 2533 |
| Phosphorus  | ppm | ASTM D5185m | 1194 | <b>829</b>  | 952  | 920  |
| Zinc        | ppm | ASTM D5185m | 1281 | <b>1044</b> | 1122 | 1110 |
| Sulfur      | ppm | ASTM D5185m | 3811 | <b>3796</b> | 3847 | 4590 |
| Visc @ 40°C | cSt | ASTM D445   | 88.5 | <b>86.1</b> | 88.4 | 88.8 |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0108495  
**Lab Number** : 06189862  
**Unique Number** : 11046614  
**Test Package** : MOB 1

**Received** : 23 May 2024  
**Tested** : 30 May 2024  
**Diagnosed** : 30 May 2024 - Jonathan Hester

**Kemp Quarries - Benton County Stone - Gravette**  
 15100 N Hwy 59  
 Sulphur Springs, AR  
 US 72768  
 Contact:  
 gravette@bentoncountystone.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: