



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



Area  
**KEMP QUARRIES / HULBERT**

Machine Id  
**WL131**

Component  
**Rear Left Final Drive**

Fluid  
**MOBIL MOBILTRANS HD 50 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>PCA0085915</b>  | PCA0109185  | PCA0109231  |
| Sample Date    |     | Client Info |           | <b>06 Apr 2024</b> | 27 Jan 2024 | 03 Nov 2023 |
| Machine Age    | hrs | Client Info |           | <b>11256</b>       | 10805       | 10240       |
| Oil Age        | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Oil Changed    |     | Client Info |           | <b>Changed</b>     | Not Changd  | Not Changd  |
| Filter Changed |     | Client Info |           | <b>None</b>        | N/A         | N/A         |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

**WEAR**

All component wear rates are normal.

|              |        |             |      |              |      |      |
|--------------|--------|-------------|------|--------------|------|------|
| Iron         | ppm    | ASTM D5185m | >800 | <b>70</b>    | 97   | 48   |
| Chromium     | ppm    | ASTM D5185m | >10  | <b>&lt;1</b> | <1   | 0    |
| Nickel       | ppm    | ASTM D5185m | >5   | <b>&lt;1</b> | 0    | 0    |
| Titanium     | ppm    | ASTM D5185m | >15  | <b>&lt;1</b> | 0    | 0    |
| Silver       | ppm    | ASTM D5185m | >2   | <b>0</b>     | 0    | 0    |
| Aluminum     | ppm    | ASTM D5185m | >75  | <b>3</b>     | 2    | <1   |
| Lead         | ppm    | ASTM D5185m | >10  | <b>&lt;1</b> | 0    | 0    |
| Copper       | ppm    | ASTM D5185m | >75  | <b>4</b>     | 5    | 2    |
| Tin          | ppm    | ASTM D5185m | >8   | <b>&lt;1</b> | 0    | 0    |
| Vanadium     | ppm    | ASTM D5185m |      | <b>&lt;1</b> | 0    | 0    |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |

**CONTAMINATION**

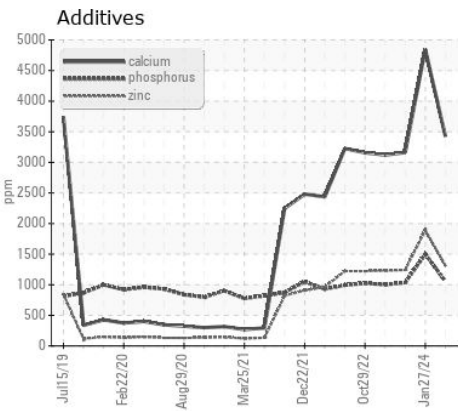
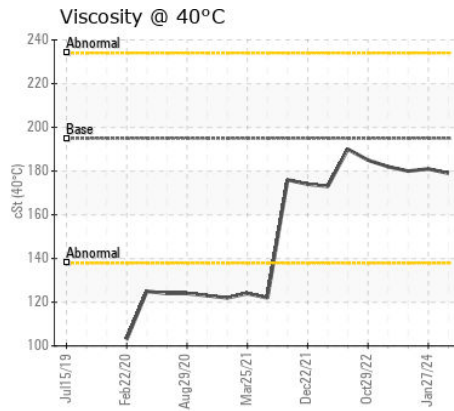
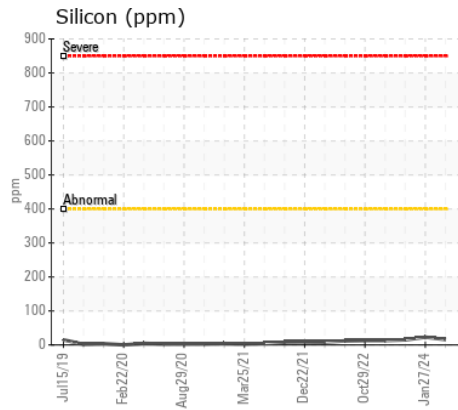
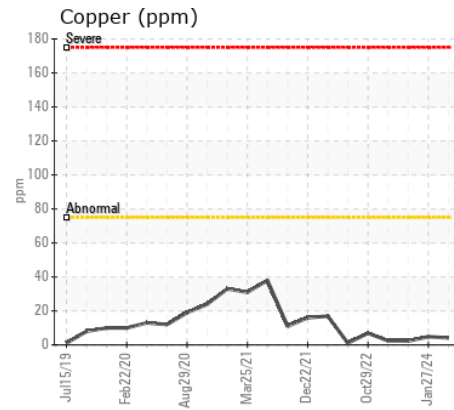
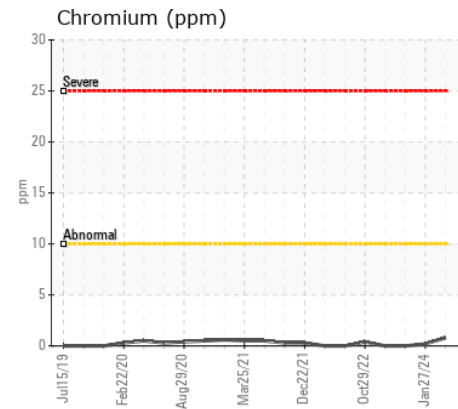
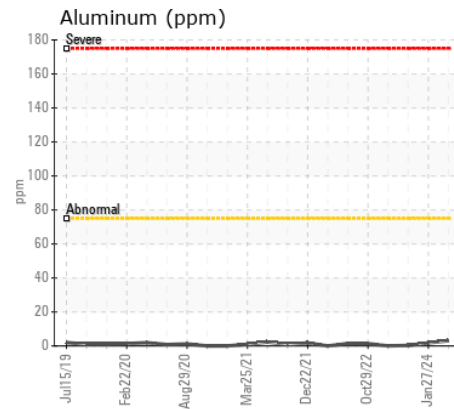
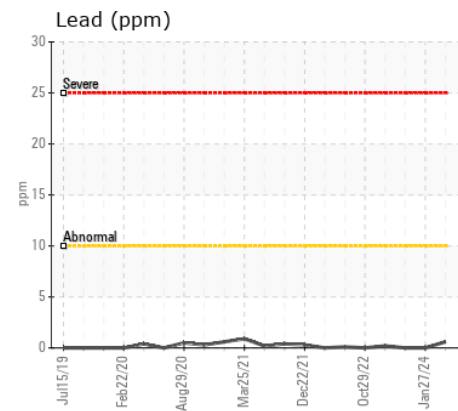
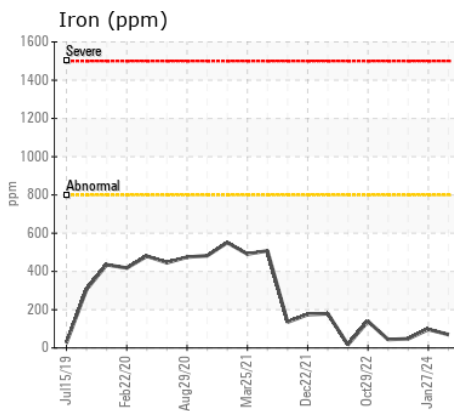
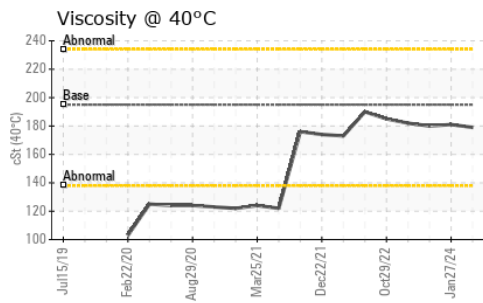
There is no indication of any contamination in the oil.

|                  |        |             |       |              |       |       |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >400  | <b>16</b>    | 23    | 15    |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>2</b>     | 2     | 0     |
| Water            |        | WC Method   | >0.2  | <b>NEG</b>   | NEG   | NEG   |
| Silt             | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Debris           | scalar | *Visual     | NONE  | <b>LIGHT</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     | >0.2  | <b>NEG</b>   | NEG   | NEG   |

**FLUID CONDITION**

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

|             |     |             |     |              |      |      |
|-------------|-----|-------------|-----|--------------|------|------|
| Sodium      | ppm | ASTM D5185m |     | <b>2</b>     | 0    | 2    |
| Boron       | ppm | ASTM D5185m |     | <b>9</b>     | 16   | 10   |
| Barium      | ppm | ASTM D5185m |     | <b>&lt;1</b> | 5    | 0    |
| Molybdenum  | ppm | ASTM D5185m |     | <b>2</b>     | 2    | <1   |
| Manganese   | ppm | ASTM D5185m |     | <b>1</b>     | 0    | 0    |
| Magnesium   | ppm | ASTM D5185m |     | <b>33</b>    | 47   | 32   |
| Calcium     | ppm | ASTM D5185m |     | <b>3426</b>  | 4845 | 3161 |
| Phosphorus  | ppm | ASTM D5185m |     | <b>1056</b>  | 1500 | 1036 |
| Zinc        | ppm | ASTM D5185m |     | <b>1315</b>  | 1893 | 1242 |
| Sulfur      | ppm | ASTM D5185m |     | <b>5042</b>  | 7920 | 4715 |
| Visc @ 40°C | cSt | ASTM D445   | 195 | <b>179</b>   | 181  | 180  |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0085915  
**Lab Number** : 06149734  
**Unique Number** : 10979812  
**Test Package** : MOB 1

**Kemp Quarries - Kemp Stone - Hulbert**  
 17801 Hwy 80  
 Hulbert, OK  
 US 74441  
 Contact:  
 hulbert@kempstone.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)