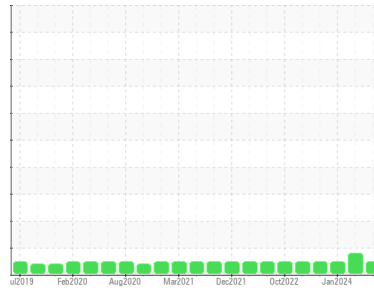


OIL ANALYSIS REPORT



Area
KEMP QUARRIES / HULBERT
 Machine Id
WL131
 Component
Front Differential
 Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

Sample Rating Trend



NORMAL

✓

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 | | PCA0085943 | PCA0085909 | PCA0109161 |
| Sample Date | Client Info | | 07 Jun 2024 | 06 Apr 2024 | 27 Jan 2024 |
| Machine Age | hrs | Client Info | 21637 | 11256 | 10805 |
| Oil Age | hrs | Client Info | 500 | 0 | 0 |
| Oil Changed | Client Info | | Not Chngd | Changed | Not Chngd |
| Sample Status | | | NORMAL | ABNORMAL | NORMAL |

CONTAMINATION

| | method | limit/base | current | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >.2 | NEG | NEG | NEG |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >500 | 82 | ▲ 513 | 282 |
| Chromium | ppm | ASTM D5185m >3 | <1 | 1 | <1 |
| Nickel | ppm | ASTM D5185m >3 | <1 | <1 | 0 |
| Titanium | ppm | ASTM D5185m >2 | <1 | <1 | 0 |
| Silver | ppm | ASTM D5185m >2 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m >30 | 2 | 5 | 2 |
| Lead | ppm | ASTM D5185m >13 | <1 | <1 | 0 |
| Copper | ppm | ASTM D5185m >103 | 1 | 5 | 3 |
| Tin | ppm | ASTM D5185m >5 | <1 | <1 | 0 |
| Vanadium | ppm | ASTM D5185m | <1 | <1 | 0 |
| Cadmium | ppm | ASTM D5185m | <1 | <1 | 0 |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 8 | 4 | 5 |
| Barium | ppm | ASTM D5185m | 0 | <1 | 5 |
| Molybdenum | ppm | ASTM D5185m | 4 | 2 | <1 |
| Manganese | ppm | ASTM D5185m | <1 | 4 | 1 |
| Magnesium | ppm | ASTM D5185m | 42 | 33 | 32 |
| Calcium | ppm | ASTM D5185m | 3356 | 3483 | 3238 |
| Phosphorus | ppm | ASTM D5185m | 855 | 1067 | 1016 |
| Zinc | ppm | ASTM D5185m | 1153 | 1333 | 1233 |
| Sulfur | ppm | ASTM D5185m | 4714 | 4785 | 4698 |

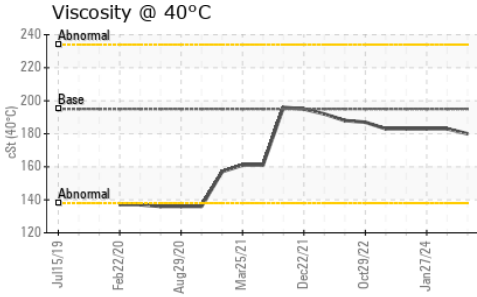
CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|------------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m >100 | 19 | 41 | 34 |
| Sodium | ppm | ASTM D5185m | 2 | 3 | 0 |
| Potassium | ppm | ASTM D5185m >20 | <1 | 2 | 2 |

VISUAL

| | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|--------------|----------|----------|
| White Metal | scalar | *Visual NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual NONE | NONE | NONE | NONE |
| Precipitate | scalar | *Visual NONE | NONE | NONE | NONE |
| Silt | scalar | *Visual NONE | NONE | MODER | MODER |
| Debris | scalar | *Visual NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual >.2 | NEG | NEG | NEG |
| Free Water | scalar | *Visual | NEG | NEG | NEG |

OIL ANALYSIS REPORT

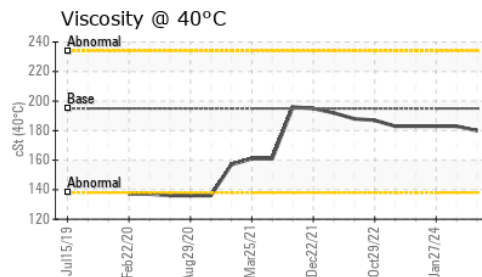
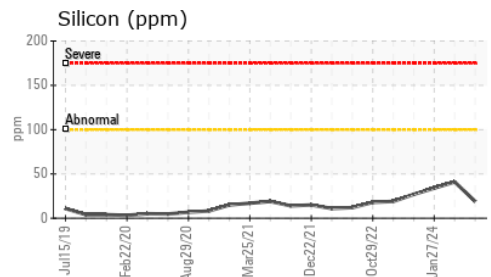
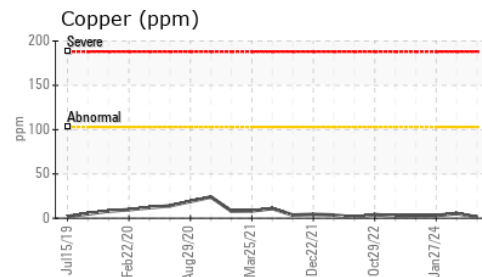
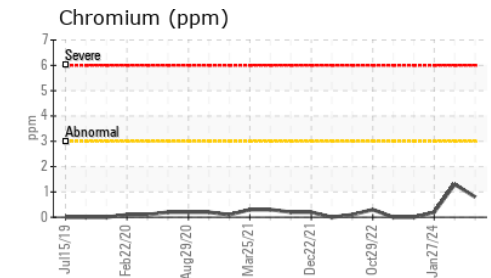
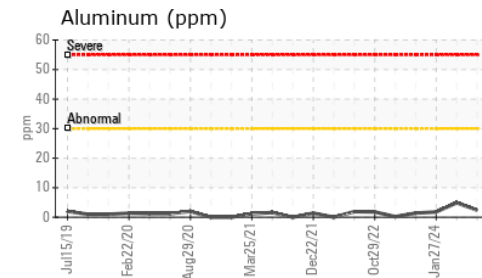
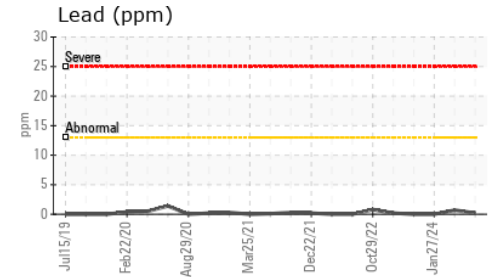
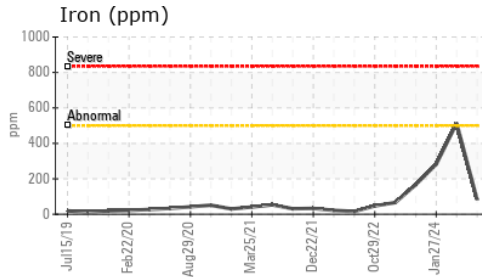


| FLUID PROPERTIES | | method | limit/base | current | history1 | history2 |
|------------------|-----|-----------|------------|------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 195 | 180 | 183 | 183 |

| 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. : PCA0085943 **Received** : 17 Jun 2024
Lab Number : 06212128 **Tested** : 19 Jun 2024
Unique Number : 11084992 **Diagnosed** : 19 Jun 2024 - Don Baldrige
Test Package : MOB 1 (Additional Tests: PQ)

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)