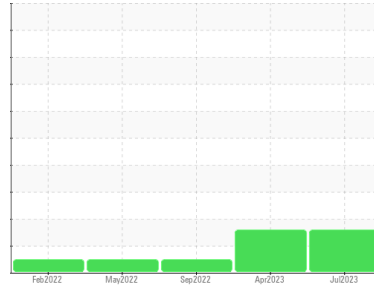


OIL ANALYSIS REPORT



Area
KEMP QUARRIES / BCS - GRAVETTE
Machine Id
OHT118
Component
Rear Left Final Drive
Fluid
PETRO CANADA TRAXON 80W90 (--- GAL)

Sample Rating Trend



ADDITIVES



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: PM-2 sampled fluid)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|---------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info | PCA0086402 | PCA0085994 | PCA0062338 |
| Sample Date | Client Info | 28 Jul 2023 | 18 Apr 2023 | 21 Sep 2022 |
| Machine Age | hrs | 78920 | 78734 | 77947 |
| Oil Age | hrs | 78920 | 78734 | 77947 |
| Oil Changed | Client Info | N/A | N/A | Changed |
| Sample Status | | ATTENTION | ATTENTION | NORMAL |

WEAR METALS

| method | limit/base | current | history1 | history2 | |
|----------|------------|------------------|--------------|----------|----|
| Iron | ppm | ASTM D5185m >800 | 37 | 29 | 40 |
| Chromium | ppm | ASTM D5185m >10 | <1 | <1 | 0 |
| Nickel | ppm | ASTM D5185m >5 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m >15 | <1 | <1 | 0 |
| Silver | ppm | ASTM D5185m >2 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m >75 | 2 | <1 | <1 |
| Lead | ppm | ASTM D5185m >10 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m >75 | 4 | 3 | 2 |
| Tin | ppm | ASTM D5185m >8 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | 0 | 0 | 0 |

ADDITIVES

| method | limit/base | current | history1 | history2 | |
|------------|------------|-------------------|---------------|----------|-------|
| Boron | ppm | ASTM D5185m 243 | ▲ 65 | ▲ 55 | 242 |
| Barium | ppm | ASTM D5185m 1 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 1 | <1 |
| Manganese | ppm | ASTM D5185m | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m 2 | 24 | 22 | 9 |
| Calcium | ppm | ASTM D5185m 6 | ▲ 2435 | ▲ 2457 | 189 |
| Phosphorus | ppm | ASTM D5185m 987 | 989 | 950 | 971 |
| Zinc | ppm | ASTM D5185m 1 | ▲ 1016 | ▲ 991 | 77 |
| Sulfur | ppm | ASTM D5185m 21530 | ▲ 8337 | ▲ 7458 | 22511 |

CONTAMINANTS

| method | limit/base | current | history1 | history2 | |
|-----------|------------|------------------|-----------|----------|---|
| Silicon | ppm | ASTM D5185m >400 | 12 | 11 | 6 |
| Sodium | ppm | ASTM D5185m | 1 | 1 | 0 |
| Potassium | ppm | ASTM D5185m >20 | 0 | 0 | 0 |

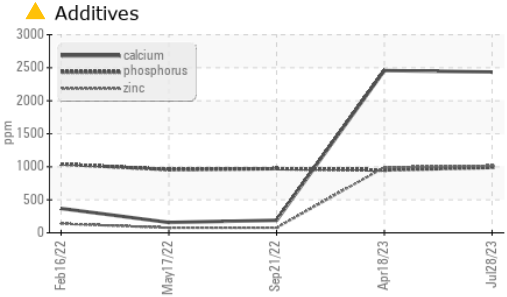
VISUAL

| method | limit/base | current | history1 | history2 | |
|------------------|------------|---------------|--------------|----------|-------|
| White Metal | scalar | *Visual NONE | NONE | MODER | MODER |
| Yellow Metal | scalar | *Visual NONE | NONE | NONE | NONE |
| Precipitate | scalar | *Visual NONE | NONE | NONE | NONE |
| Silt | scalar | *Visual NONE | NONE | NONE | NONE |
| 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 >0.2 | NEG | NEG | NEG |
| Free Water | scalar | *Visual | NEG | NEG | NEG |

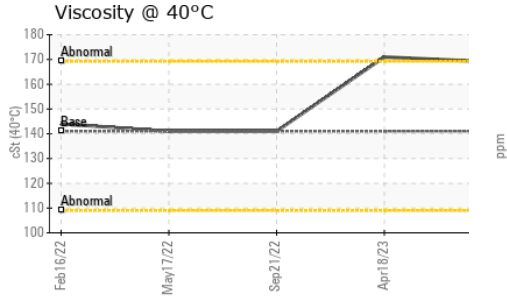
FLUID PROPERTIES

| method | limit/base | current | history1 | history2 | |
|-------------|------------|-----------------|------------|----------|-----|
| Visc @ 40°C | cSt | ASTM D445 141.0 | 169 | 171 | 141 |

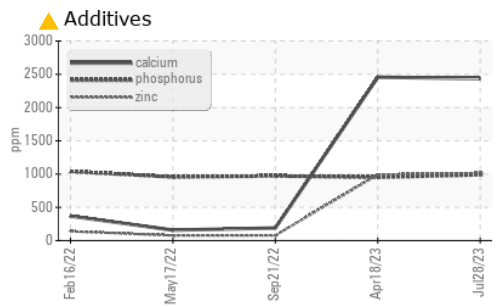
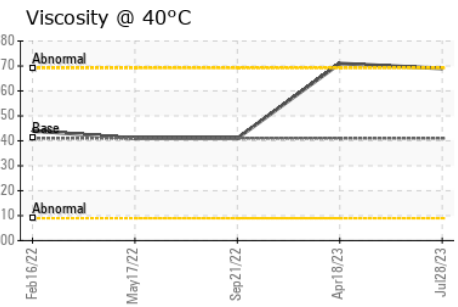
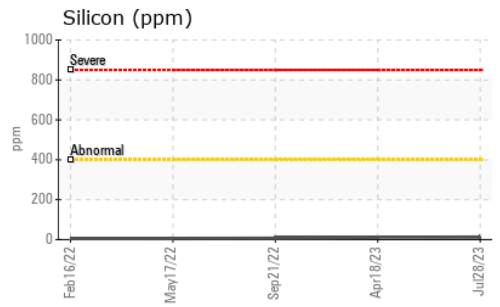
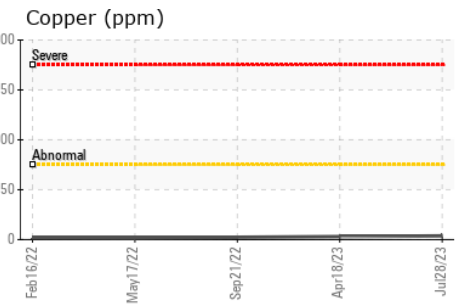
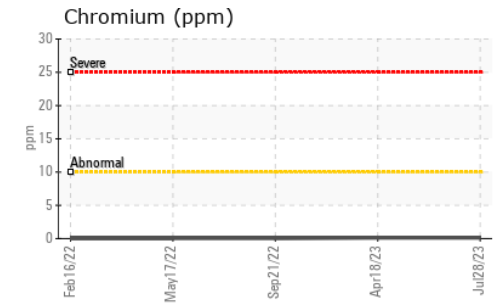
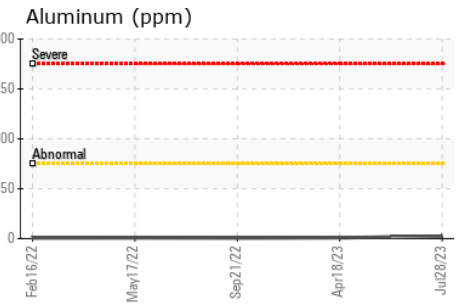
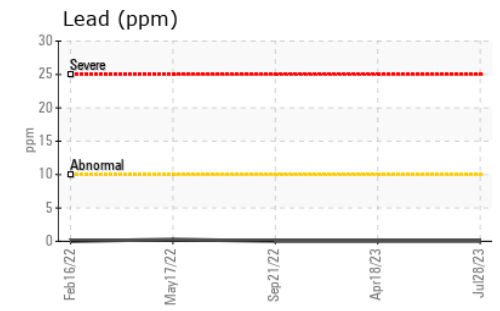
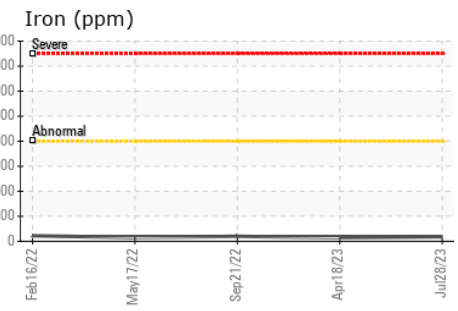
OIL ANALYSIS REPORT



| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
| Color | | | | no image | no image |
| Bottom | | | | no image | no image |



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0086402 **Received** : 16 Aug 2023
Lab Number : 05926908 **Diagnosed** : 18 Aug 2023
Unique Number : 10606855 **Diagnostician** : Don Baldrige
Test Package : MOB 1

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

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)