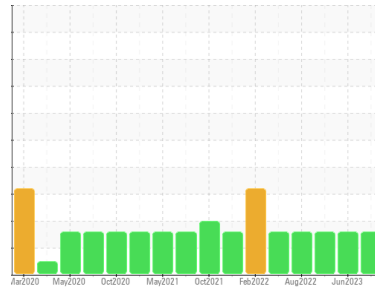


OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
VOLVO 26466

Component
Rear Differential

Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (--- QTS)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal.

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 | | | PCA0105541 | PCA0100550 | PCA0081185 |
| Sample Date | Client Info | | | 27 Dec 2023 | 27 Jun 2023 | 01 Nov 2022 |
| Machine Age | mls | Client Info | | 625939 | 592223 | 544730 |
| Oil Age | mls | Client Info | | 625939 | 592223 | 544730 |
| Oil Changed | Client Info | | | Not Chngd | Not Chngd | Not Chngd |
| Sample Status | | | | ABNORMAL | ABNORMAL | ABNORMAL |

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

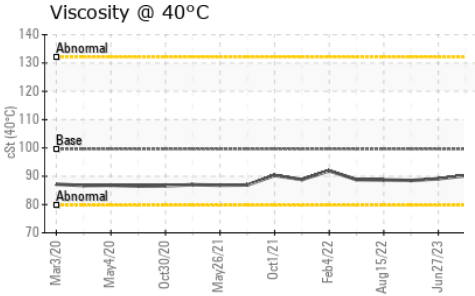
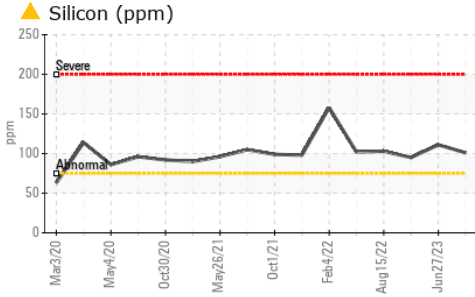
| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m | >500 | 390 | 399 | 359 |
| Chromium | ppm | ASTM D5185m | >10 | 3 | 3 | 2 |
| Nickel | ppm | ASTM D5185m | >10 | 9 | 9 | 9 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 9 | 8 | 9 |
| Lead | ppm | ASTM D5185m | >25 | <1 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >100 | 5 | 4 | 4 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | 0 |

| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 328 | 199 | 198 | 149 |
| Barium | ppm | ASTM D5185m | 1 | 1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | 10 | 11 | 10 |
| Magnesium | ppm | ASTM D5185m | 1 | 4 | 1 | 4 |
| Calcium | ppm | ASTM D5185m | 7 | 16 | 13 | 15 |
| Phosphorus | ppm | ASTM D5185m | 1145 | 1656 | 1554 | 1444 |
| Zinc | ppm | ASTM D5185m | 3 | 28 | 26 | 4 |
| Sulfur | ppm | ASTM D5185m | 17909 | 27902 | 28743 | 25056 |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m | >75 | ▲ 101 | ▲ 111 | ▲ 95 |
| Sodium | ppm | ASTM D5185m | | 9 | 10 | 10 |
| Potassium | ppm | ASTM D5185m | >20 | 8 | 7 | 6 |

| 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 | 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 | >.2 | NEG | NEG | NEG |
| Free Water | scalar | *Visual | | NEG | NEG | NEG |

OIL ANALYSIS REPORT

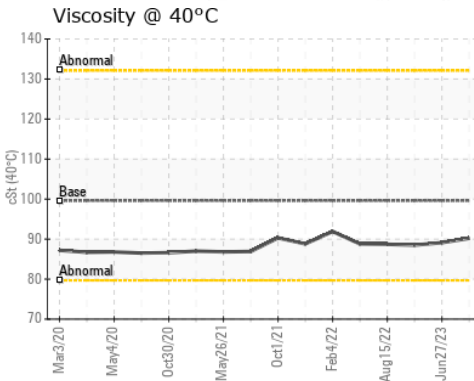
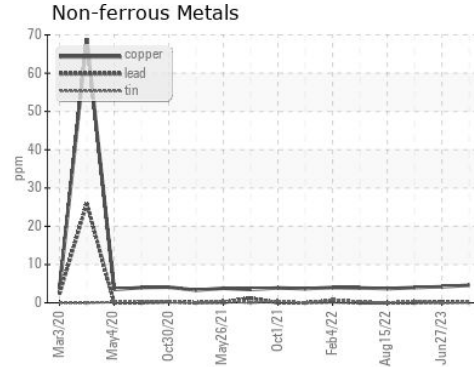
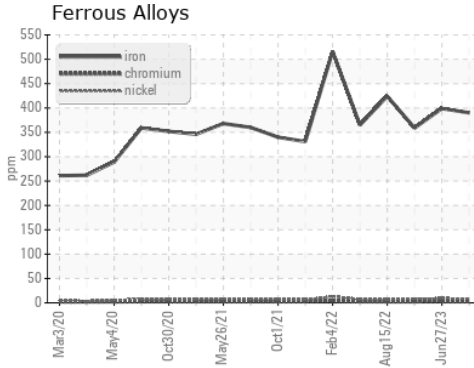


| FLUID PROPERTIES | | method | limit/base | current | history1 | history2 |
|------------------|-----|-----------|------------|-------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 99.6 | 90.2 | 89.1 | 88.5 |

| 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. : PCA0105541
Lab Number : **06174456**
Unique Number : 11020509
Test Package : FLEET

Received : 09 May 2024
Tested : 10 May 2024
Diagnosed : 13 May 2024 - Don Baldrige

PERDUE FARMS - BRIDGEVILLE
 8634 E NEWTON RD
 BRIDGEVILLE, DE
 US 19933
 Contact: GEORGE LACATES

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: