



| | |
|-----------------|-----------------|
| WEAR | NORMAL |
| CONTAMINATION | ABNORMAL |
| FLUID CONDITION | NORMAL |

Machine Id
VOLVO 26466
 Component
Front Differential
 Fluid
PETRO CANADA TRAXON E SYNTHETIC 75W-90 (--- GAL)

RECOMMENDATION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | PCA0105540 | PCA0100549 | PCA0081184 |
| 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 |
| Filter Age | mls | Client Info | | 0 | 0 | 544730 |
| Oil Changed | | Client Info | | Not Changed | Not Changed | Not Changed |
| Filter Changed | | Client Info | | Changed | Changed | Not Changed |
| Sample Status | | | | ABNORMAL | ABNORMAL | ABNORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >500 | 393 | 482 | 359 |
| Chromium | ppm | ASTM D5185m | >10 | 3 | 4 | 2 |
| Nickel | ppm | ASTM D5185m | >10 | 9 | 7 | 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 | 0 | ▲ 43 | 0 |
| Copper | ppm | ASTM D5185m | >100 | 4 | ▲ 82 | 4 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 6 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

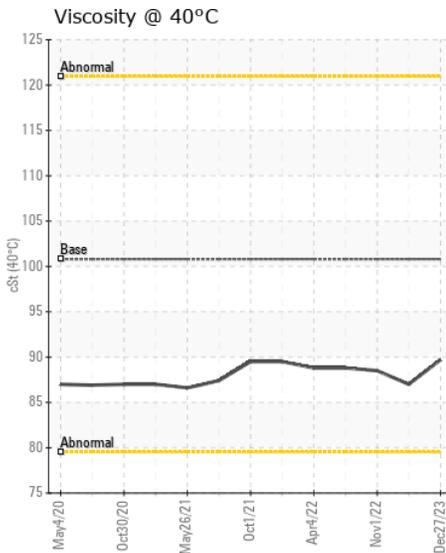
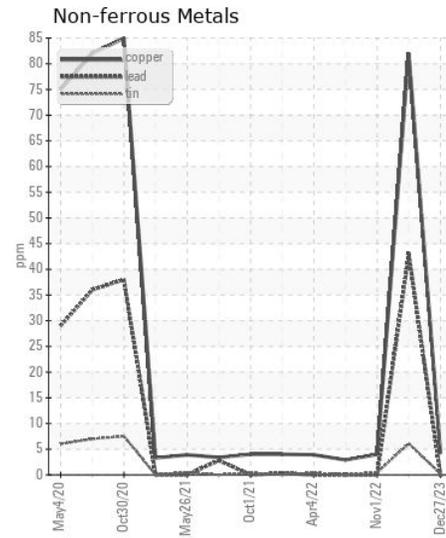
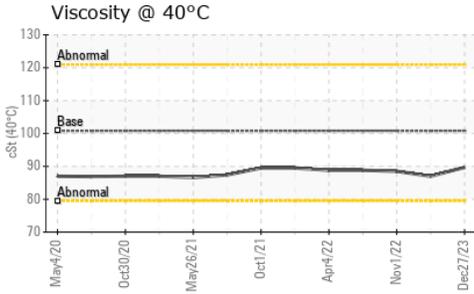
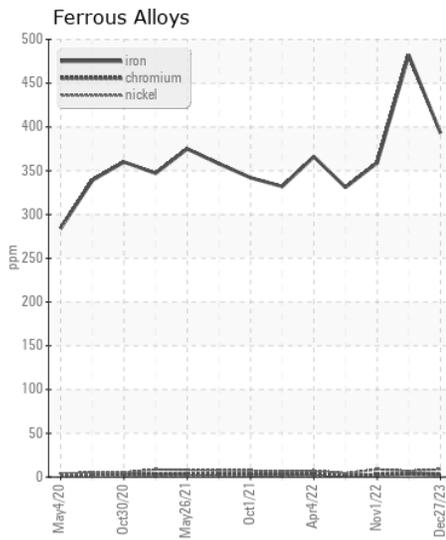
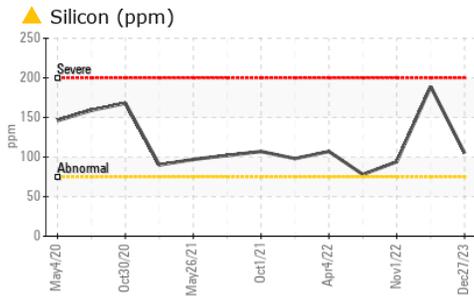
Elemental level of silicon (Si) above normal.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | ▲ 105 | ▲ 189 | ▲ 94 |
| Potassium | ppm | ASTM D5185m | >20 | 8 | 7 | 6 |
| Water | | WC Method | >.2 | NEG | NEG | NEG |
| 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 |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-------|--------------|-------|-------|
| Sodium | ppm | ASTM D5185m | | 9 | 12 | 10 |
| Boron | ppm | ASTM D5185m | 229 | 197 | 170 | 152 |
| Barium | ppm | ASTM D5185m | <1 | <1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | 10 | 12 | 10 |
| Magnesium | ppm | ASTM D5185m | <1 | 4 | 2 | 4 |
| Calcium | ppm | ASTM D5185m | | 16 | 13 | 15 |
| Phosphorus | ppm | ASTM D5185m | 1355 | 1594 | 1558 | 1452 |
| Zinc | ppm | ASTM D5185m | | 27 | 103 | 4 |
| Sulfur | ppm | ASTM D5185m | 22698 | 27290 | 26800 | 25056 |
| Visc @ 40°C | cSt | ASTM D445 | 100.8 | 89.7 | 87.0 | 88.5 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0105540
Lab Number : **06174457**
Unique Number : 11020510
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: