



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

Machine Id
VOLVO VN12 26594 (S/N 4V4WC9EH1JN598492)

Component
Bottom Transmission (Auto)

Fluid
PETRO CANADA TRAXON SYNTHETIC MTF 75W80 (--- QTS)

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 | | PCA0105548 | PCA0100531 | PCA0085279 |
| Sample Date | | Client Info | | 29 Sep 2023 | 28 Jun 2023 | 21 Dec 2022 |
| Machine Age | mls | Client Info | | 518714 | 495844 | 439639 |
| Oil Age | mls | Client Info | | 518714 | 439639 | 439639 |
| Filter Age | mls | Client Info | | 0 | 0 | 439639 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | N/A | Changed | Not Changd |
| Sample Status | | | | ABNORMAL | ABNORMAL | ABNORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-------|------|
| Iron | ppm | ASTM D5185m | >160 | 51 | 46 | 36 |
| Chromium | ppm | ASTM D5185m | >5 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >5 | <1 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | >5 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >50 | 2 | 2 | <1 |
| Lead | ppm | ASTM D5185m | >50 | <1 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >225 | 36 | 29 | 26 |
| Tin | ppm | ASTM D5185m | >10 | <1 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | LIGHT | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

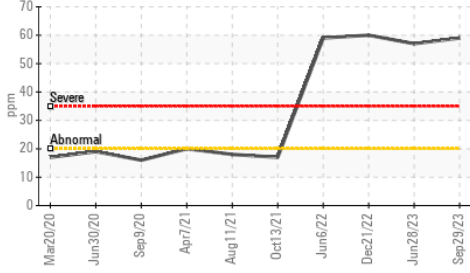
| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >20 | ▲ 59 | ▲ 57 | ▲ 60 |
| Potassium | ppm | ASTM D5185m | >20 | 7 | 4 | 4 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | 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 | >0.1 | NEG | NEG | NEG |

FLUID CONDITION

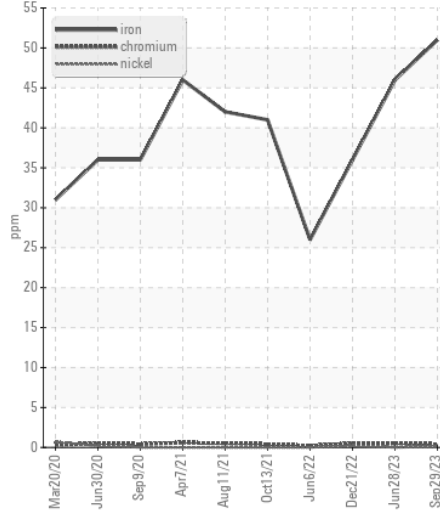
The condition of the fluid is acceptable for the time in service.

| | | | | | | |
|-------------|-----|-------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | <1 | 2 | 3 |
| Boron | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 2 | 0 | 2 |
| Manganese | ppm | ASTM D5185m | | 6 | 7 | 7 |
| Magnesium | ppm | ASTM D5185m | 3 | 2 | 2 | 3 |
| Calcium | ppm | ASTM D5185m | 731 | 833 | 832 | 850 |
| Phosphorus | ppm | ASTM D5185m | 628 | 695 | 637 | 597 |
| Zinc | ppm | ASTM D5185m | 1 | 10 | 3 | 0 |
| Sulfur | ppm | ASTM D5185m | 2556 | 4818 | 5064 | 4898 |
| Visc @ 40°C | cSt | ASTM D445 | 54.8 | 52.1 | 52.6 | 53.0 |

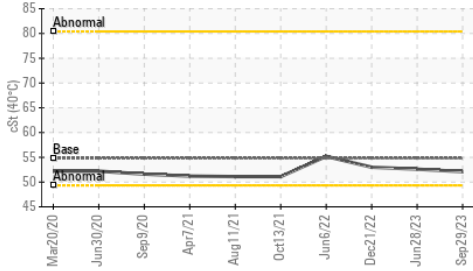
▲ Silicon (ppm)



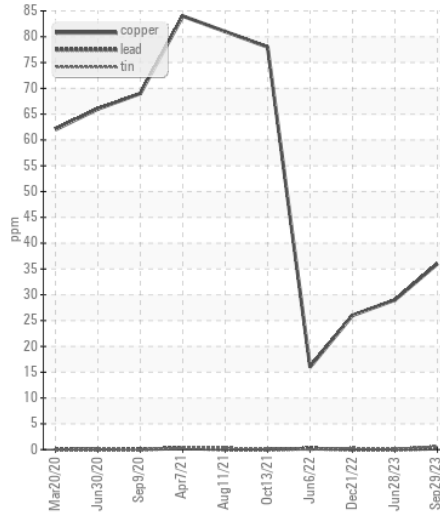
Ferrous Alloys



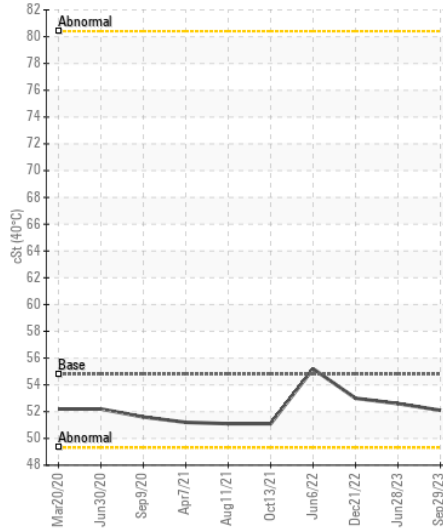
Viscosity @ 40°C



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0105548
Lab Number : 06174505
Unique Number : 11020558
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)

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F: