



VOLVO

OIL ANALYSIS REPORT

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



Area
[42079]
 Machine Id
VOLVO A45G 352596
 Component
Transmission (Auto)
 Fluid
VOLVO AT 102 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

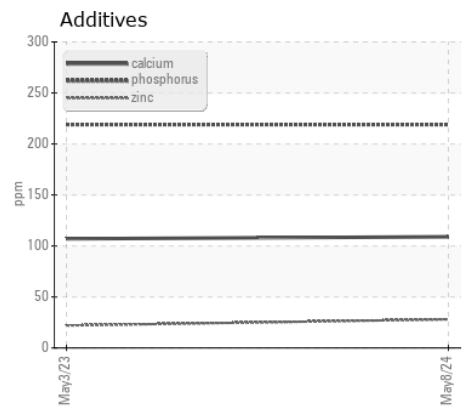
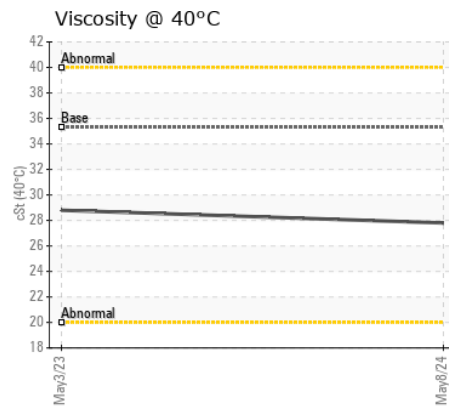
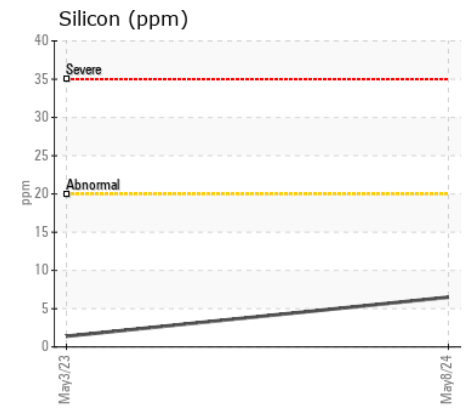
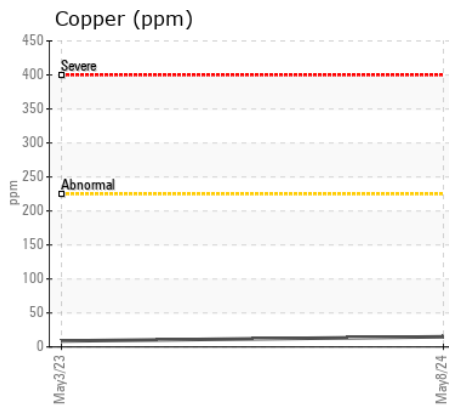
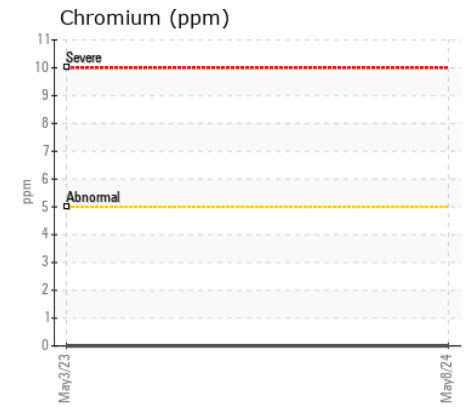
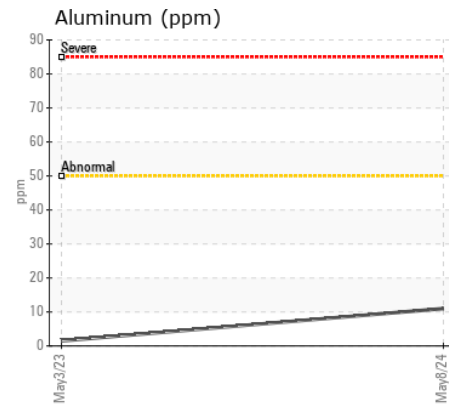
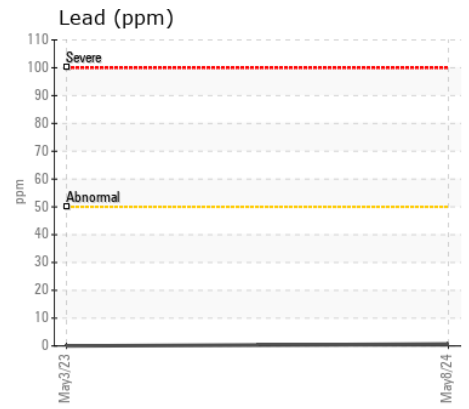
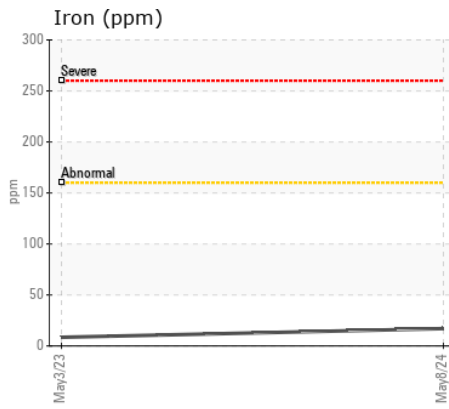
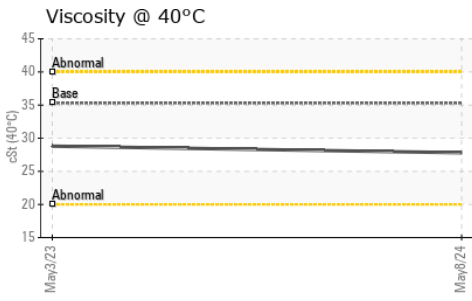
CONTAMINATION

Moderate concentration of visible dirt/debris present in the fluid.

FLUID CONDITION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|-------------|-----------|-------------|-------------|----------|
| Sample Number | | Client Info | | VCP453817 | VCP368311 | --- |
| Sample Date | | Client Info | | 08 May 2024 | 03 May 2023 | --- |
| Machine Age | hrs | Client Info | | 5998 | 5272 | --- |
| Oil Age | hrs | Client Info | | 0 | 0 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Changed | Not Changd | --- |
| Filter Changed | | Client Info | | Changed | Not Changd | --- |
| Sample Status | | | | ABNORMAL | ABNORMAL | --- |
| Iron | ppm | ASTM D5185m | >160 | 17 | 8 | --- |
| Chromium | ppm | ASTM D5185m | >5 | 0 | 0 | --- |
| Nickel | ppm | ASTM D5185m | >5 | 3 | 1 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | --- |
| Silver | ppm | ASTM D5185m | >5 | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >50 | 11 | 2 | --- |
| Lead | ppm | ASTM D5185m | >50 | <1 | 0 | --- |
| Copper | ppm | ASTM D5185m | >225 | 15 | 9 | --- |
| Tin | ppm | ASTM D5185m | >10 | 2 | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | ▲ MODER | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Silicon | ppm | ASTM D5185m | >20 | 6 | 1 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 1 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | ▲ MODER | ▲ MODER | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | NEG | --- |
| Sodium | ppm | ASTM D5185m | | 4 | 1 | --- |
| Boron | ppm | ASTM D5185m | 187 | 90 | 101 | --- |
| Barium | ppm | ASTM D5185m | 0.0 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0.0 | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185m | 0.0 | <1 | 0 | --- |
| Magnesium | ppm | ASTM D5185m | 6.8 | 17 | 18 | --- |
| Calcium | ppm | ASTM D5185m | 215 | 109 | 107 | --- |
| Phosphorus | ppm | ASTM D5185m | 445 | 219 | 219 | --- |
| Zinc | ppm | ASTM D5185m | 56 | 28 | 22 | --- |
| Sulfur | ppm | ASTM D5185m | 1336 | 1637 | 1513 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 35.3 | 27.8 | 28.8 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP453817
Lab Number : 06175967
Unique Number : 11022020
Test Package : MOB 1

Received : 10 May 2024
Tested : 13 May 2024
Diagnosed : 14 May 2024 - Sean Felton

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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)