



VOLVO

OIL ANALYSIS REPORT

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



Machine Id
VOLVO A40G 342176
Component
Transmission (Auto)
Fluid
VOLVO AT 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | VCP437073 | VCP310794 | VCP301922 |
| Sample Date | | Client Info | | 22 Mar 2024 | 09 Apr 2021 | 28 Dec 2020 |
| Machine Age | hrs | Client Info | | 8750 | 5949 | 5299 |
| Oil Age | hrs | Client Info | | 0 | 0 | 1000 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Changed | Not Changd | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >160 | 51 | 50 | 24 |
| Chromium | ppm | ASTM D5185m | >5 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >5 | 6 | 7 | 4 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >5 | <1 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >50 | 8 | 18 | 13 |
| Lead | ppm | ASTM D5185m | >50 | <1 | 0 | 2 |
| Copper | ppm | ASTM D5185m | >225 | 17 | 57 | 25 |
| Tin | ppm | ASTM D5185m | >10 | 2 | 6 | 2 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

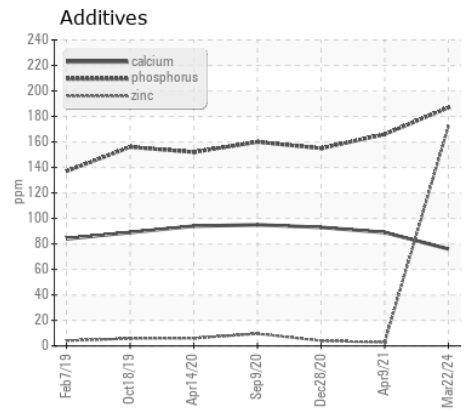
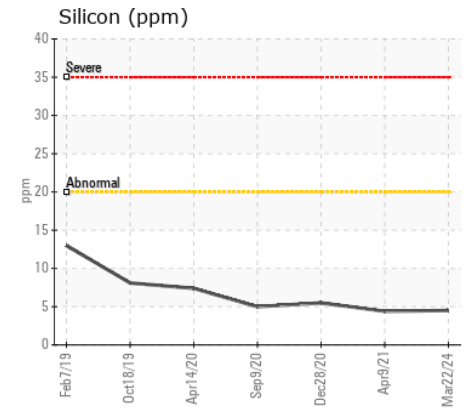
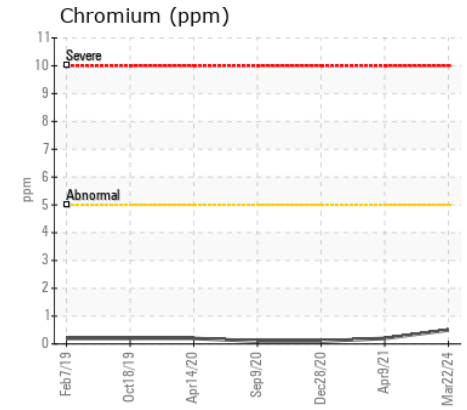
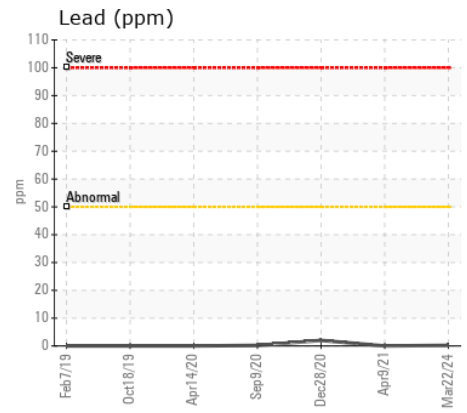
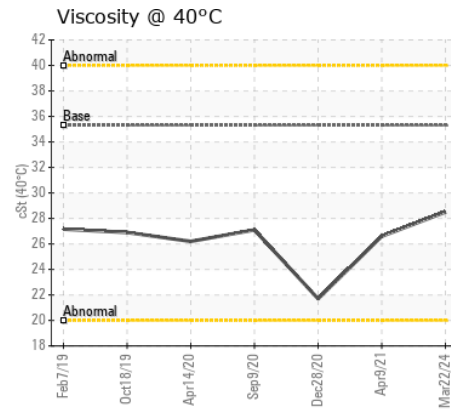
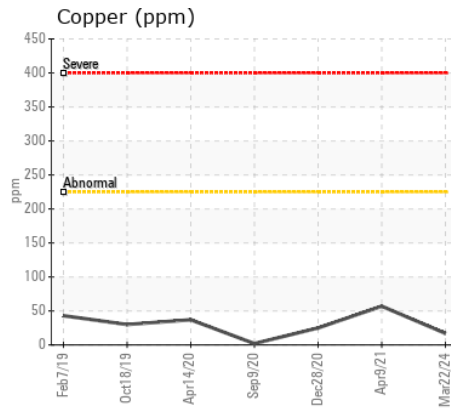
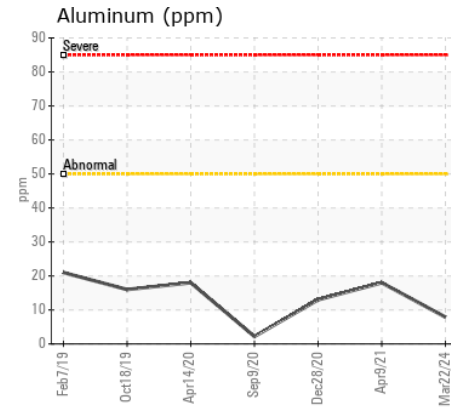
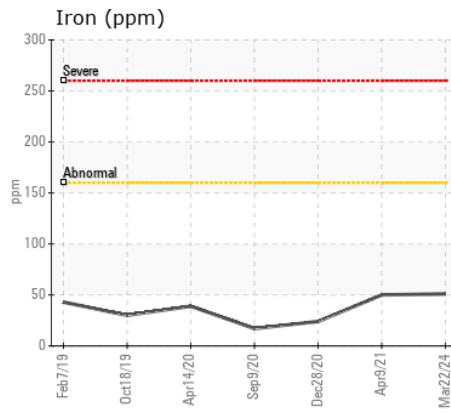
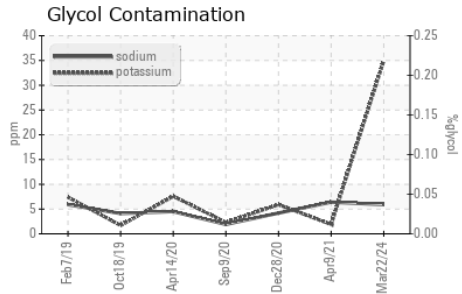
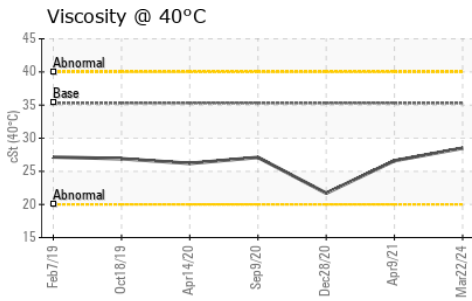
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >20 | 4 | 4 | 6 |
| Potassium | ppm | ASTM D5185m | >20 | 35 | 2 | 6 |
| 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 | | 6 | 6 | 4 |
| Boron | ppm | ASTM D5185m | 187 | 28 | 74 | 69 |
| Barium | ppm | ASTM D5185m | 0.0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0.0 | 2 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | 0.0 | 1 | 2 | 1 |
| Magnesium | ppm | ASTM D5185m | 6.8 | 2 | <1 | <1 |
| Calcium | ppm | ASTM D5185m | 215 | 76 | 89 | 93 |
| Phosphorus | ppm | ASTM D5185m | 445 | 187 | 166 | 155 |
| Zinc | ppm | ASTM D5185m | 56 | 172 | 3 | 4 |
| Sulfur | ppm | ASTM D5185m | 1336 | 1964 | 1648 | 1731 |
| Visc @ 40°C | cSt | ASTM D445 | 35.3 | 28.5 | 26.6 | 21.7 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP437073
Lab Number : 06188143
Unique Number : 11044895
Test Package : MOB 1 (Additional Tests: Glycol)

Received : 22 May 2024
Tested : 24 May 2024
Diagnosed : 24 May 2024 - Sean Felton

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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