



OIL ANALYSIS REPORT

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

Area
[42344 TURNER]
 Machine Id
VOLVO A45G 353379
 Component
Transmission (Auto)
 Fluid
VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|-------------|----------|
| Sample Number | | Client Info | | VCP447646 | VCP440958 | --- |
| Sample Date | | Client Info | | 11 Jun 2024 | 23 Jan 2024 | --- |
| Machine Age | hrs | Client Info | | 3761 | 2960 | --- |
| Oil Age | hrs | Client Info | | 0 | 0 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Changed | Changed | --- |
| Filter Changed | | Client Info | | Changed | Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|------|------|-----|
| Iron | ppm | ASTM D5185m | >160 | 46 | 27 | --- |
| Chromium | ppm | ASTM D5185m | >5 | 0 | <1 | --- |
| Nickel | ppm | ASTM D5185m | >5 | 2 | 1 | --- |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Silver | ppm | ASTM D5185m | >5 | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >50 | 22 | 14 | --- |
| Lead | ppm | ASTM D5185m | >50 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185m | >225 | 21 | 12 | --- |
| Tin | ppm | ASTM D5185m | >10 | 2 | 2 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

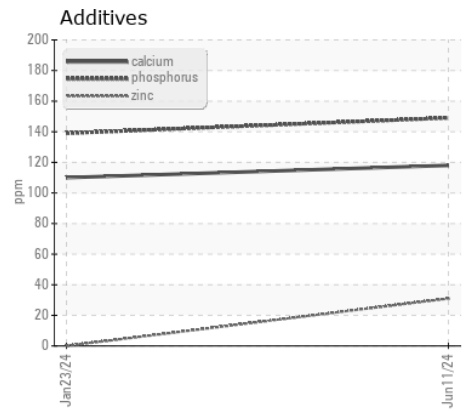
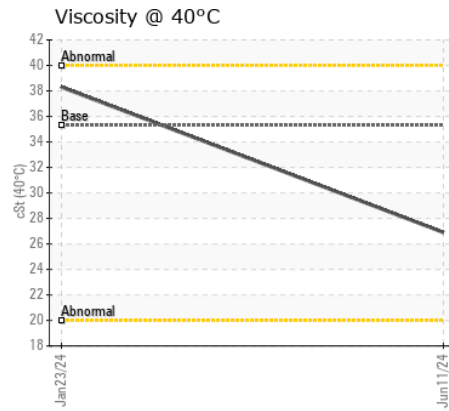
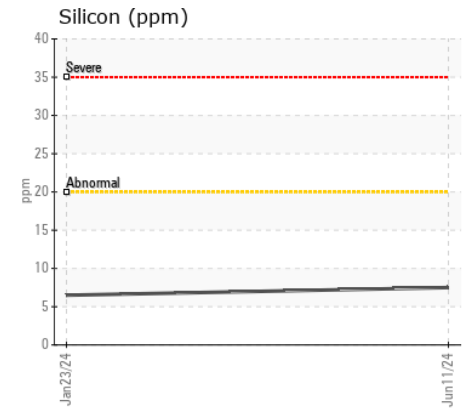
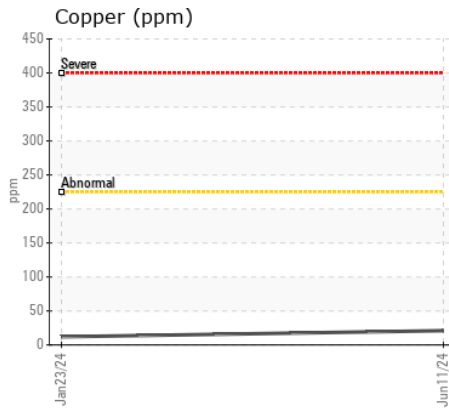
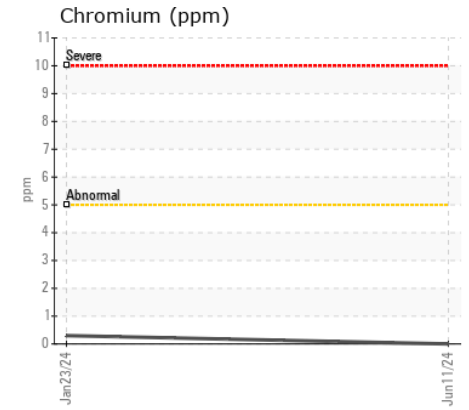
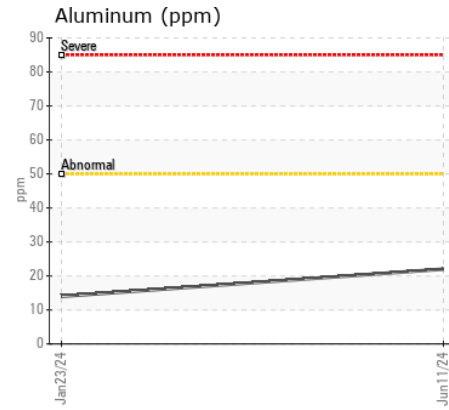
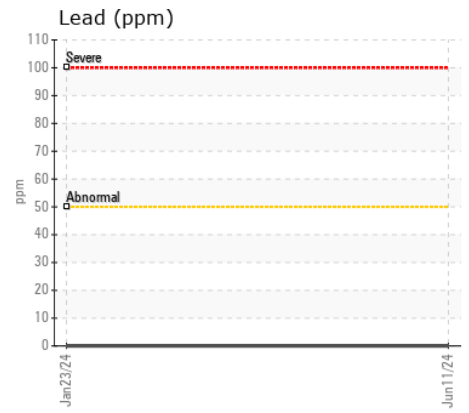
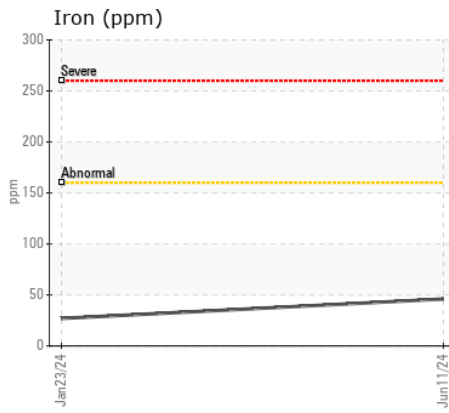
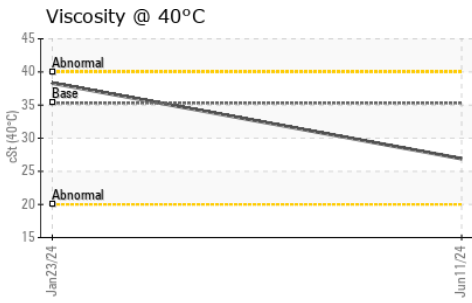
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|-------------|-------|-------|-------|-----|
| Silicon | ppm | ASTM D5185m | >20 | 8 | 6 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 2 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| 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 | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|------|------|-----|
| Sodium | ppm | ASTM D5185m | | 5 | 1 | --- |
| Boron | ppm | ASTM D5185m | 187 | 58 | 72 | --- |
| Barium | ppm | ASTM D5185m | 0.0 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0.0 | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185m | 0.0 | 2 | <1 | --- |
| Magnesium | ppm | ASTM D5185m | 6.8 | 0 | 1 | --- |
| Calcium | ppm | ASTM D5185m | 215 | 118 | 110 | --- |
| Phosphorus | ppm | ASTM D5185m | 445 | 149 | 139 | --- |
| Zinc | ppm | ASTM D5185m | 56 | 31 | 0 | --- |
| Sulfur | ppm | ASTM D5185m | 1336 | 2116 | 1796 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 35.3 | 26.9 | 38.3 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP447646
Lab Number : 06210998
Unique Number : 11083862
Test Package : MOB 1

Received : 14 Jun 2024
Tested : 17 Jun 2024
Diagnosed : 17 Jun 2024 - Wes Davis

215 - ASCENDUM MACHINERY INC - CAYCE
 2303 AIRPORT BLVD
 CAYCE, SC
 US 29033
 Contact: TAMI BROWDER
 tami.browder@ascendummachinery.com
 T: (803)923-2138
 F: (803)791-9920

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)