



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



Machine Id
VOLVO A45G 342672
Component
Transmission
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 | | ML0002708 | VCP409353 | VCP391468 |
| Sample Date | | Client Info | | 24 Jun 2024 | 06 Oct 2023 | 10 Nov 2022 |
| Machine Age | hrs | Client Info | | 9762 | 5818 | 4380 |
| Oil Age | hrs | Client Info | | 3944 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Changed | Changed |
| Filter Changed | | Client Info | | Changed | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | ABNORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >100 | 25 | 44 | 88 |
| Chromium | ppm | ASTM D5185m | >20 | 0 | 0 | <1 |
| Nickel | ppm | ASTM D5185m | >10 | 3 | 6 | 9 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >50 | 15 | 18 | ▲ 63 |
| Lead | ppm | ASTM D5185m | >50 | <1 | 0 | <1 |
| Copper | ppm | ASTM D5185m | >300 | 22 | 35 | 64 |
| Tin | ppm | ASTM D5185m | >50 | 3 | 5 | 8 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

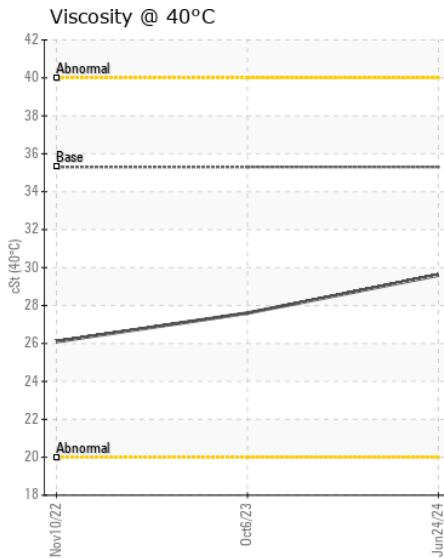
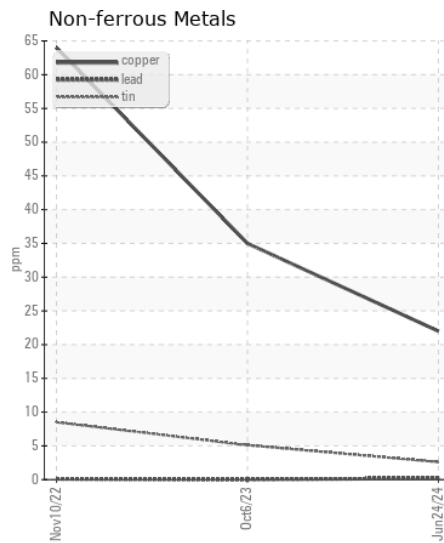
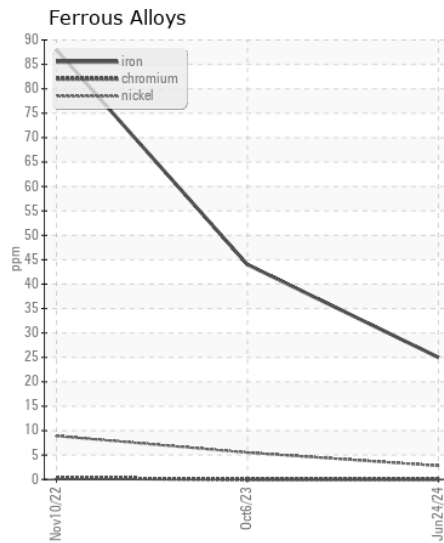
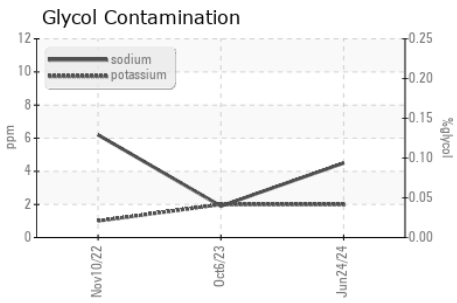
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >50 | 5 | 7 | 14 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 2 | 1 |
| Water | | WC Method | >0.2 | 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 | >0.2 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|------------|-----|-------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | 4 | 2 | 6 |
| Boron | ppm | ASTM D5185m | 187 | 92 | 86 | 51 |
| Barium | ppm | ASTM D5185m | 0.0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0.0 | 0 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | 0.0 | <1 | 2 | 4 |
| Magnesium | ppm | ASTM D5185m | 6.8 | <1 | 2 | 2 |
| Calcium | ppm | ASTM D5185m | 215 | 107 | 88 | 81 |
| Phosphorus | ppm | ASTM D5185m | 445 | 230 | 199 | 176 |
| Zinc | ppm | ASTM D5185m | 56 | 0 | 9 | 9 |
| Sulfur | ppm | ASTM D5185m | 1336 | 2111 | 2401 | 1862 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0002708
Lab Number : 06221913
Unique Number : 11100110
Test Package : CONST (Additional Tests: Glycol)

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@MCCLUNG-LOGAN.COM

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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