



OIL ANALYSIS REPORT

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



Machine Id
VOLVO A35G 342019
Component
Wet Disc Brake
Fluid
VOLVO WB 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

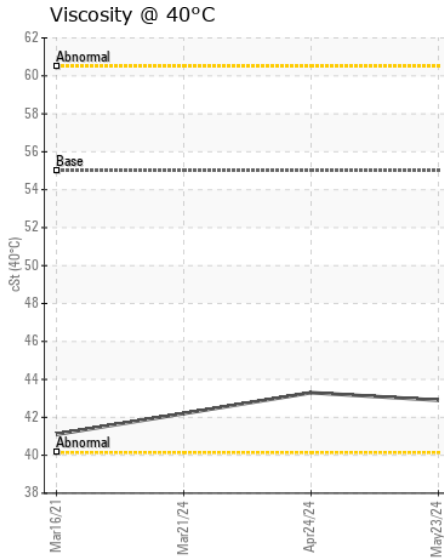
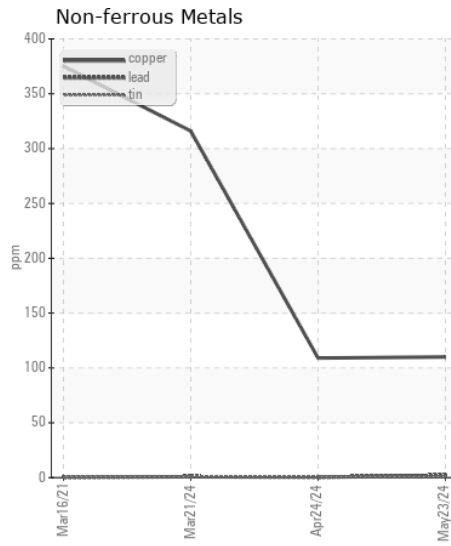
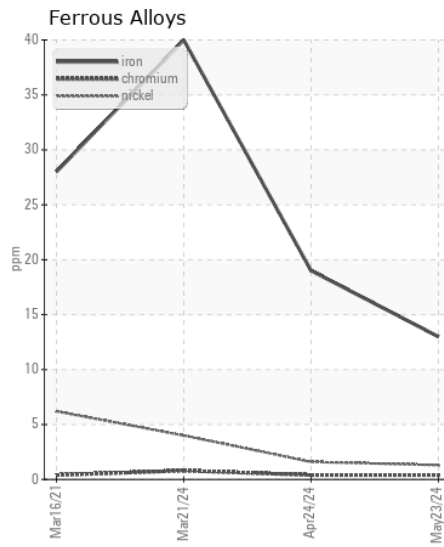
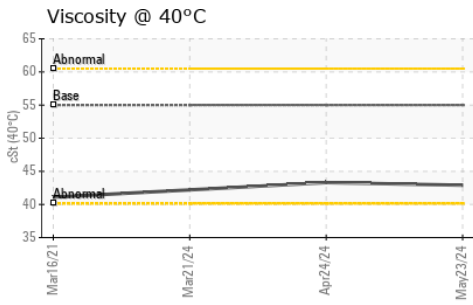
The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | ML0001817 | ML0001384 | ML0000583 |
| Sample Date | | Client Info | | 23 May 2024 | 24 Apr 2024 | 21 Mar 2024 |
| Machine Age | hrs | Client Info | | 8637 | 8425 | 8225 |
| Oil Age | hrs | Client Info | | 412 | 8425 | 4155 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | Changed |
| Filter Changed | | Client Info | | Changed | N/A | Changed |
| Sample Status | | | | NORMAL | NORMAL | ABNORMAL |

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-------|
| Iron | ppm | ASTM D5185m | >20 | 13 | 19 | ▲ 40 |
| Chromium | ppm | ASTM D5185m | >10 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >10 | 1 | 2 | 4 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >10 | 2 | 3 | 3 |
| Lead | ppm | ASTM D5185m | >10 | 2 | <1 | <1 |
| Copper | ppm | ASTM D5185m | >75 | 110 | 109 | ▲ 316 |
| Tin | ppm | ASTM D5185m | >10 | <1 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|---------|
| Silicon | ppm | ASTM D5185m | >20 | 13 | 13 | 18 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 1 | 3 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | ▲ MODER |
| 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 |

| | | | | | | |
|-------------|-----|-------------|----|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | 4 | 2 | 3 |
| Boron | ppm | ASTM D5185m | | 126 | 122 | 144 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 1 |
| Molybdenum | ppm | ASTM D5185m | | <1 | <1 | 1 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | 2 |
| Magnesium | ppm | ASTM D5185m | | 12 | 10 | 11 |
| Calcium | ppm | ASTM D5185m | | 3837 | 3564 | 3870 |
| Phosphorus | ppm | ASTM D5185m | | 1417 | 1343 | 1329 |
| Zinc | ppm | ASTM D5185m | | 1628 | 1507 | 1547 |
| Sulfur | ppm | ASTM D5185m | | 4542 | 5447 | 5464 |
| Visc @ 40°C | cSt | ASTM D445 | 55 | 42.9 | 43.3 | 42.2 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0001817
Lab Number : 06194446
Unique Number : 11056569
Test Package : CONST

Received : 29 May 2024
Tested : 30 May 2024
Diagnosed : 30 May 2024 - Angela Borella

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
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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)