



CONSTRUCTION EQUIPMENT

VOLVO A35G 340181 - TRANSMISSION (AUTO)



Sample No: VCP449138
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP449138 | VCP425044 | VCP401287 | VCP266360 |
| Sample Date | 11 Dec 2023 | 10 Jul 2023 | 16 Jan 2023 | 03 Nov 2020 |
| Machine Hours | 11136 | 10225 | 9427 | 6426 |
| Oil Hours | 0 | 1000 | 0 | 0 |
| Oil Changed | Changed | Not Chngd | Changed | Changed |
| Sample Status | NORMAL | ABNORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 26.8 | 27.6 | 28.0 | 26.9 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 6 | 7 | 7 | 12 |
| Sodium | ppm | 6 | 5 | 7 | 8 |
| Potassium | ppm | 0 | 5 | 4 | 17 |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 61 | 47 | 60 | 53 |
| Copper | ppm | 39 | 34 | 47 | 49 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 4 | 4 | 5 | 6 |
| Aluminum | ppm | 24 | 23 | 23 | 20 |
| Chromium | ppm | 0 | 0 | <1 | <1 |
| Molybdenum | ppm | 0 | 0 | 0 | <1 |
| Nickel | ppm | 6 | 6 | 7 | 7 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | 1 | 1 | 2 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 80 | 86 | 84 | 95 |
| Magnesium | ppm | 0 | 0 | 0 | 3 |
| Zinc | ppm | 0 | 0 | 0 | 6 |
| Phosphorus | ppm | 197 | 203 | 176 | 175 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 85 | 101 | 72 | 60 |

Depot: VOLVO8882
Unique No: 10791660
Signed: Don Baldrige
Report Date: 19 Dec 2023



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VOLVO GRAPHS

