



CONSTRUCTION EQUIPMENT

VOLVO A40G 352339 - A40G - TRANSMISSION (AUTO)



Sample No: VCP401356
Oil Type: VOLVO AT 102
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP401356 | VCP402751 | VCP288359 | VCP278499 |
| Sample Date | 06 Dec 2023 | 18 Feb 2023 | 30 Oct 2020 | 15 Jul 2020 |
| Machine Hours | 5859 | 3149 | 1121 | 543 |
| Oil Hours | 0 | 1000 | 1121 | 0 |
| Oil Changed | Changed | Not Changd | Not Changd | Not Changd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 26.4 | 27.9 | 26.5 | 26.7 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 9 | 8 | 14 | 15 |
| Sodium | ppm | 6 | 3 | 5 | 3 |
| Potassium | ppm | 2 | 1 | 17 | 3 |

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 | 59 | 36 | 37 | 23 |
| Copper | ppm | 89 | 53 | 97 | 67 |
| Lead | ppm | 0 | 0 | 1 | <1 |
| Tin | ppm | 11 | 6 | 6 | 5 |
| Aluminum | ppm | 29 | 15 | 13 | 7 |
| Chromium | ppm | <1 | 0 | <1 | <1 |
| Molybdenum | ppm | 0 | 0 | 0 | <1 |
| Nickel | ppm | 14 | 8 | 15 | 10 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 3 | 2 | 3 | 2 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 81 | 89 | 99 | 93 |
| Magnesium | ppm | 2 | 2 | 2 | 0 |
| Zinc | ppm | 2 | 0 | 9 | 5 |
| Phosphorus | ppm | 177 | 187 | 178 | 154 |
| Barium | ppm | 0 | 0 | 1 | 0 |
| Boron | ppm | 76 | 71 | 61 | 69 |

Depot: VOLVO0090
Unique No: 10780838
Signed: Don Baldrige
Report Date: 14 Dec 2023



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GRAPHS

