



CONSTRUCTION EQUIPMENT

VOLVO A40G 341163 - TRANSMISSION (AUTO)



Sample No: VCP420023
Oil Type: VOLVO AT 102
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP420023 | VCP289851 | VCP259501 | --- |
| Sample Date | 17 Nov 2023 | 28 Oct 2020 | 18 Jul 2020 | --- |
| Machine Hours | 9855 | 6564 | 6280 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Not Chngd | Not Chngd | Changed | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|-----|
| Visc @ 40°C | cSt | 27.6 | 26.8 | 26.0 | --- |
|-------------|-----|-------------|------|------|-----|



CONTAMINATION

| Water | % | NEG | NEG | NEG | --- |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 5 | 4 | 7 | --- |
| Sodium | ppm | 0 | <1 | 4 | --- |
| Potassium | ppm | 2 | 1 | 1 | --- |

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 | 23 | 24 | 54 | --- |
| Copper | ppm | 15 | 12 | 31 | --- |
| Lead | ppm | 0 | 0 | <1 | --- |
| Tin | ppm | 2 | 2 | 4 | --- |
| Aluminum | ppm | 8 | 10 | 24 | --- |
| Chromium | ppm | 0 | <1 | <1 | --- |
| Molybdenum | ppm | <1 | <1 | <1 | --- |
| Nickel | ppm | 2 | 2 | 4 | --- |
| Titanium | ppm | <1 | 0 | 0 | --- |
| Silver | ppm | 0 | <1 | <1 | --- |
| Manganese | ppm | 0 | <1 | 1 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 83 | 95 | 90 | --- |
| Magnesium | ppm | 4 | 4 | 1 | --- |
| Zinc | ppm | 2 | <1 | 0 | --- |
| Phosphorus | ppm | 183 | 162 | 152 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | 101 | 81 | 80 | --- |

Depot: VOLVO0090
Unique No: 10751987
Signed: Sean Felton
Report Date: 22 Nov 2023



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GRAPHS

