



CONSTRUCTION EQUIPMENT

633732 PRIMORIS VOLVO A40G 352781 - TRANSMISSION (AUTO)



Sample No: VCP432199
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 633732 PRIMORIS



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SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP432199 | VCP392738 | VCP398772 | VCP398834 |
| Sample Date | 15 Nov 2023 | 26 Apr 2023 | 17 Jan 2023 | 20 Dec 2022 |
| Machine Hours | 4220 | 3725 | 3066 | 2564 |
| Oil Hours | 2000 | 1725 | 1000 | 1500 |
| Oil Changed | Changed | Not Changd | Not Changd | Not Changd |
| Sample Status | MARGINAL | NORMAL | NORMAL | NORMAL |



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 28.6 | 28.6 | 29.3 | 26.7 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|-----|-----|-----|
| Water | % | 0.107 | NEG | NEG | NEG |
| Silicon | ppm | 5 | 4 | 4 | 6 |
| Sodium | ppm | 3 | 0 | 2 | 3 |
| Potassium | ppm | 2 | 2 | 0 | <1 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 14 | 13 | 8 | 20 |
| Copper | ppm | 8 | 10 | 7 | 12 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 1 | 2 | <1 | 2 |
| Aluminum | ppm | 10 | 10 | 5 | 11 |
| Chromium | ppm | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | 0 | <1 | 0 | <1 |
| Nickel | ppm | 2 | 1 | <1 | 2 |
| 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 | 67 | 72 | 72 | 75 |
| Magnesium | ppm | 1 | <1 | 0 | <1 |
| Zinc | ppm | 0 | 1 | 0 | 4 |
| Phosphorus | ppm | 195 | 187 | 185 | 186 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 84 | 91 | 97 | 88 |

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a trace of moisture present in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 10765353
Signed: Don Baldrige
Report Date: 03 Dec 2023



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GRAPHS

