



CONSTRUCTION EQUIPMENT

VOLVO A40G 752 153 - TRANSMISSION (AUTO)



Sample No: VCP440121
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP440121 | VCP440419 | VCP429000 | VCP411826 |
| Sample Date | 06 Jun 2024 | 15 Feb 2024 | 27 Oct 2023 | 21 Jul 2023 |
| Machine Hours | 5632 | 5085 | 4507 | 3990 |
| Oil Hours | 0 | 0 | 0 | 2000 |
| Oil Changed | Not Chngd | Not Chngd | N/A | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 28.4 | 28.5 | 28.8 | 28.6 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| Water | % | NEG | NEG | 0.075 | NEG |
|-----------|-----|----------|-----|-------|-----|
| Silicon | ppm | 4 | 9 | 4 | 6 |
| Sodium | ppm | 4 | 2 | 5 | 3 |
| Potassium | ppm | 5 | 2 | 1 | 2 |

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 | 15 | 16 | 10 | 27 |
| Copper | ppm | 7 | 7 | 4 | 8 |
| Lead | ppm | 3 | <1 | 0 | 0 |
| Tin | ppm | 3 | 3 | 2 | 4 |
| Aluminum | ppm | 8 | 13 | 7 | 18 |
| Chromium | ppm | <1 | <1 | 0 | 0 |
| Molybdenum | ppm | 2 | 1 | 0 | <1 |
| Nickel | ppm | 0 | 1 | <1 | 1 |
| Titanium | ppm | 0 | <1 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | 1 | <1 | 1 |
| Vanadium | ppm | 0 | <1 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 50 | 88 | 63 | 72 |
| Magnesium | ppm | 1 | 2 | 2 | 1 |
| Zinc | ppm | 0 | 4 | 4 | 7 |
| Phosphorus | ppm | 144 | 254 | 162 | 189 |
| Barium | ppm | 0 | 0 | <1 | 1 |
| Boron | ppm | 73 | 137 | 85 | 95 |

Depot: RIPTAM
Unique No: 11074435
Signed: Don Baldrige
Report Date: 13 Jun 2024

VOLVO **GRAPHS**

