



CONSTRUCTION EQUIPMENT

VOLVO L110H 631298 - TRANSMISSION (AUTO)



Sample No: VCP429518
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP429518 | VCP396860 | VCP420267 | VCP398837 |
| Sample Date | 26 Oct 2023 | 18 Jul 2023 | 10 Apr 2023 | 16 Dec 2022 |
| Machine Hours | 0 | 8405 | 7851 | 7287 |
| Oil Hours | 0 | 4000 | 3500 | 1287 |
| Oil Changed | Not Chngd | Changed | Not Chngd | Not Chngd |
| Sample Status | ABNORMAL | 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 | 28.2 | 26.2 | 30.1 | 26.4 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|-----|-----|-----|
| Water | % | 0.106 | NEG | NEG | NEG |
| Silicon | ppm | 3 | 4 | 4 | 1 |
| Sodium | ppm | 0 | <1 | 0 | 0 |
| Potassium | ppm | 1 | <1 | 1 | <1 |

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 15 | 48 | 43 | 37 |
| Copper | ppm | 2 | 4 | 3 | 2 |
| Lead | ppm | 0 | <1 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | 2 | 7 | 4 | 3 |
| Chromium | ppm | <1 | <1 | <1 | 0 |
| Molybdenum | ppm | <1 | <1 | <1 | 0 |
| Nickel | ppm | 0 | <1 | 0 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | <1 | 0 | 0 |
| Manganese | ppm | 0 | 1 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 69 | 77 | 87 | 80 |
| Magnesium | ppm | 2 | 2 | 2 | 2 |
| Zinc | ppm | 0 | 10 | 11 | 10 |
| Phosphorus | ppm | 185 | 160 | 160 | 164 |
| Barium | ppm | 0 | 2 | 0 | 1 |
| Boron | ppm | 88 | 74 | 70 | 72 |

Depot: RIPTAM
Unique No: 10776685
Signed: Jonathan Hester
Report Date: 08 Dec 2023



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VOLVO GRAPHS

