



CONSTRUCTION EQUIPMENT

VOLVO L110H 631237 - TRANSMISSION (AUTO)



Sample No: VCP444059
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP444059 | VCP441514 | VCP414633 | VCP386078 |
| Sample Date | 23 Apr 2024 | 27 Feb 2024 | 06 Sep 2023 | 02 Nov 2022 |
| Machine Hours | 10448 | 9786 | 0 | 8131 |
| Oil Hours | 0 | 0 | 0 | 4000 |
| Oil Changed | Not Chngd | N/A | Not Chngd | Changed |
| Sample Status | NORMAL | ATTENTION | NORMAL | NORMAL |

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
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T:
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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 29.5 | 28.8 | 29.4 | 28.0 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

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

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 | 30 | 18 | 18 | 72 |
| Copper | ppm | 5 | 10 | 3 | 7 |
| Lead | ppm | 0 | 2 | 0 | 0 |
| Tin | ppm | <1 | 2 | 0 | 0 |
| Aluminum | ppm | 10 | 12 | 7 | 14 |
| Chromium | ppm | 0 | 0 | 0 | <1 |
| Molybdenum | ppm | 1 | 0 | 0 | <1 |
| Nickel | ppm | 0 | <1 | 0 | <1 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | <1 | <1 | 3 |
| Vanadium | ppm | <1 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Calcium | ppm | 391 | 130 | 377 | 80 |
| Magnesium | ppm | 14 | 0 | 10 | <1 |
| Zinc | ppm | 138 | 34 | 109 | 0 |
| Phosphorus | ppm | 288 | 207 | 265 | 162 |
| Barium | ppm | <1 | 0 | 0 | 0 |
| Boron | ppm | 76 | 85 | 87 | 61 |

Depot: RIPTAM
Unique No: 11057951
Signed: Don Baldrige
Report Date: 02 Jun 2024



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VOLVO GRAPHS

