



CONSTRUCTION EQUIPMENT

700575 VOLVO L110H 631298 - TRANSMISSION (AUTO)



Sample No: VCP438835
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 700575



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP438835 | VCP429518 | VCP396860 | VCP420267 |
| Sample Date | 04 Apr 2024 | 26 Oct 2023 | 18 Jul 2023 | 10 Apr 2023 |
| Machine Hours | 8536 | 0 | 8405 | 7851 |
| Oil Hours | 2000 | 0 | 4000 | 3500 |
| Oil Changed | Changed | Not Changd | Changed | Not Changd |
| Sample Status | NORMAL | ABNORMAL | NORMAL | NORMAL |

RIPA AND ASSOCIATES

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US 33619
Contact: PM Services
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T:
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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 27.2 | 28.2 | 26.2 | 30.1 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|---------|-----|-----|
| Water | % | NEG | ▲ 0.106 | NEG | NEG |
| Silicon | ppm | 4 | 3 | 4 | 4 |
| Sodium | ppm | 3 | 0 | <1 | 0 |
| Potassium | ppm | <1 | 1 | <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 | 64 | 15 | 48 | 43 |
| Copper | ppm | 6 | 2 | 4 | 3 |
| Lead | ppm | 0 | 0 | <1 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | 8 | 2 | 7 | 4 |
| Chromium | ppm | <1 | <1 | <1 | <1 |
| Molybdenum | ppm | 0 | <1 | <1 | <1 |
| Nickel | ppm | 0 | 0 | <1 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | <1 | 0 |
| Manganese | ppm | 2 | 0 | 1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Calcium | ppm | 75 | 69 | 77 | 87 |
| Magnesium | ppm | <1 | 2 | 2 | 2 |
| Zinc | ppm | 22 | 0 | 10 | 11 |
| Phosphorus | ppm | 181 | 185 | 160 | 160 |
| Barium | ppm | 0 | 0 | 2 | 0 |
| Boron | ppm | 69 | 88 | 74 | 70 |

Depot: RIPTAM
Unique No: 11031877
Signed: Don Baldrige
Report Date: 17 May 2024



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GRAPHS

