



CONSTRUCTION EQUIPMENT

7105 BULK EXPRESS VOLVO L180H 5391 - TRANSMISSION (AUTO)



Sample No: VCP440260
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 7105 BULK EXPRESS



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP440260 | VCP430724 | VCP434903 | VCP41722 |
| Sample Date | 26 Dec 2023 | 10 Nov 2023 | 14 Sep 2023 | 19 Jul 2023 |
| Machine Hours | 5286 | 4791 | 3966 | 3194 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Changd | Not Changd | Changed | Not Changd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
 9601 BOGGY CREEK RD
 ORLANDO, FL
 US 32824
 Contact: Robert LaPlante
 robert.laplante@altg.com
 T: (407)508-9736
 F: (407)659-8720



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 28.4 | 30.0 | 27.9 | 28.1 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 3 | 2 | 5 | 5 |
| Sodium | ppm | 2 | 2 | 3 | 4 |
| Potassium | ppm | 2 | 0 | 1 | 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 oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 0 | 20 | 42 | 35 |
| Copper | ppm | <1 | 3 | 7 | 7 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | 0 | 0 | <1 | 1 |
| Chromium | ppm | 0 | 0 | 0 | <1 |
| Molybdenum | ppm | 0 | 0 | 2 | 2 |
| Nickel | ppm | 0 | <1 | 0 | 0 |
| Titanium | ppm | <1 | 0 | 0 | <1 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | <1 | 2 | 2 |
| Vanadium | ppm | 0 | 0 | 0 | <1 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 1 | 84 | 125 | 124 |
| Magnesium | ppm | 0 | 5 | 25 | 22 |
| Zinc | ppm | 0 | 3 | 48 | 42 |
| Phosphorus | ppm | 402 | 186 | 217 | 216 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 0 | 87 | 75 | 85 |

Depot: VOLVO0096
Unique No: 10808699
Signed: Jonathan Hester
Report Date: 04 Jan 2024



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VOLVO GRAPHS

