



CONSTRUCTION EQUIPMENT

VOLVO A45G 353591 - TRANSMISSION (AUTO)



Sample No: VCP454802
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP454802 | VCP439005 | VCP434307 | --- |
| Sample Date | 02 May 2024 | 27 Dec 2023 | 14 Nov 2023 | --- |
| Machine Hours | 2216 | 1377 | 1099 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Changed | Not Changd | Not Changd | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|-------|-----|
| Visc @ 40°C | cSt | 27.7 | 27.8 | 28.09 | --- |
|-------------|-----|-------------|------|-------|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Silicon | ppm | 15 | 14 | 14 | --- |
| Sodium | ppm | 7 | 5 | 6 | --- |
| Potassium | ppm | 4 | 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 | 51 | 36 | 31 | --- |
| Copper | ppm | 34 | 28 | 25 | --- |
| Lead | ppm | 2 | 0 | 0 | --- |
| Tin | ppm | 7 | 4 | 3 | --- |
| Aluminum | ppm | 26 | 17 | 15 | --- |
| Chromium | ppm | <1 | <1 | 0 | --- |
| Molybdenum | ppm | <1 | 0 | 0 | --- |
| Nickel | ppm | 5 | 3 | 3 | --- |
| Titanium | ppm | <1 | 0 | 0 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | 5 | 3 | 3 | --- |
| Vanadium | ppm | 0 | <1 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 75 | 57 | 74 | --- |
| Magnesium | ppm | 0 | 0 | 2 | --- |
| Zinc | ppm | 5 | 0 | <1 | --- |
| Phosphorus | ppm | 192 | 177 | 192 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | 63 | 74 | 74 | --- |

Depot: VOLVO0090
Unique No: 11016442
Signed: Jonathan Hester
Report Date: 08 May 2024



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GRAPHS

