



CONSTRUCTION EQUIPMENT

VOLVO A45G 353251 - TRANSMISSION (AUTO)



Sample No: VCP431856
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP431856 | VCP421344 | --- | --- |
| Sample Date | 25 Jan 2024 | 20 Jul 2023 | --- | --- |
| Machine Hours | 3274 | 2242 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Not Changed | Not Changed | --- | --- |
| Sample Status | ABNORMAL | ABNORMAL | --- | --- |

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OIL CONDITION

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



CONTAMINATION

| Water | % | NEG | NEG | --- | --- |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 4 | 7 | --- | --- |
| Sodium | ppm | 1 | 4 | --- | --- |
| Potassium | ppm | 2 | 1 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|-----|-----|
| Iron | ppm | 21 | 18 | --- | --- |
| Copper | ppm | 18 | 10 | --- | --- |
| Lead | ppm | 0 | 0 | --- | --- |
| Tin | ppm | 3 | 1 | --- | --- |
| Aluminum | ppm | 11 | 11 | --- | --- |
| Chromium | ppm | <1 | 0 | --- | --- |
| Molybdenum | ppm | 0 | <1 | --- | --- |
| Nickel | ppm | 2 | <1 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 0 | 1 | --- | --- |
| Vanadium | ppm | 0 | <1 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 72 | 74 | --- | --- |
| Magnesium | ppm | 3 | 0 | --- | --- |
| Zinc | ppm | 0 | 0 | --- | --- |
| Phosphorus | ppm | 176 | 202 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 91 | 113 | --- | --- |

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO0090
Unique No: 10850090
Signed: Don Baldrige
Report Date: 31 Jan 2024



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GRAPHS

