



CONSTRUCTION EQUIPMENT

RS0036629 VOLVO A30G 752053 - TRANSMISSION (AUTO)



Sample No: VCP430889
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: RS0036629



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP430889 | VCP346896 | VCP323219 | --- |
| Sample Date | 09 Jan 2024 | 31 Jan 2022 | 28 Jun 2021 | --- |
| Machine Hours | 4956 | 2189 | 1169 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Changed | Changed | Changed | --- |
| Sample Status | ABNORMAL | NORMAL | ABNORMAL | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|-----|
| Visc @ 40°C | cSt | 24.4 | 28.9 | 30.2 | --- |
|-------------|-----|-------------|------|------|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Silicon | ppm | 6 | 8 | 15 | --- |
| Sodium | ppm | 0 | 5 | 7 | --- |
| Potassium | ppm | 1 | <1 | 3 | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|-----|
| Iron | ppm | 44 | 40 | 54 | --- |
| Copper | ppm | 31 | 42 | 88 | --- |
| Lead | ppm | 0 | <1 | <1 | --- |
| Tin | ppm | 5 | 7 | 12 | --- |
| Aluminum | ppm | 22 | 22 | 33 | --- |
| Chromium | ppm | <1 | <1 | <1 | --- |
| Molybdenum | ppm | 0 | <1 | <1 | --- |
| Nickel | ppm | 4 | 6 | 14 | --- |
| Titanium | ppm | 0 | 0 | 0 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | <1 | 3 | 6 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 82 | 118 | 163 | --- |
| Magnesium | ppm | 0 | 5 | 1 | --- |
| Zinc | ppm | 0 | 7 | 4 | --- |
| Phosphorus | ppm | 263 | 243 | 272 | --- |
| Barium | ppm | 3 | 0 | 0 | --- |
| Boron | ppm | 100 | 89 | 89 | --- |

Diagnosis

Oil and 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: VOLVO8247
Unique No: 10834612
Signed: Don Baldrige
Report Date: 19 Jan 2024



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GRAPHS

