



CONSTRUCTION EQUIPMENT

3751HR VOLVO L220H 2578 - TRANSMISSION (AUTO)



Sample No: VCP408030
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 3751HR



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP408030 | VCP247950 | VCP214719 | --- |
| Sample Date | 14 Sep 2023 | 29 May 2019 | 15 Dec 2017 | --- |
| Machine Hours | 16109 | 5574 | 1876 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Not Chngd | Not Chngd | Changed | --- |
| Sample Status | NORMAL | ABNORMAL | ABNORMAL | --- |

PENNSYLVANIA SUPPLY

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|-------|-----|
| Visc @ 40°C | cSt | 29.6 | 26.8 | 26.42 | --- |
|-------------|-----|-------------|------|-------|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-----------|---|---|-----|
| Silicon | ppm | 15 | 3 | 9 | --- |
| Sodium | ppm | 4 | 8 | 4 | --- |
| Potassium | ppm | 6 | 0 | 0 | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 11 | 104 | 138 | --- |
| Copper | ppm | 2 | 4 | 7 | --- |
| Lead | ppm | 0 | 0 | <1 | --- |
| Tin | ppm | <1 | 0 | 0 | --- |
| Aluminum | ppm | <1 | <1 | <1 | --- |
| Chromium | ppm | 0 | <1 | <1 | --- |
| Molybdenum | ppm | 0 | 0 | 0 | --- |
| Nickel | ppm | 0 | 0 | <1 | --- |
| Titanium | ppm | 0 | 0 | 0 | --- |
| Silver | ppm | 0 | <1 | 0 | --- |
| Manganese | ppm | 2 | 1 | 4 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 79 | 108 | 85 | --- |
| Magnesium | ppm | 7 | 3 | <1 | --- |
| Zinc | ppm | 5 | 16 | 14 | --- |
| Phosphorus | ppm | 184 | 216 | 152 | --- |
| Barium | ppm | 0 | 0 | 2 | --- |
| Boron | ppm | 92 | 83 | 57 | --- |

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.

Depot: PENHAR
Unique No: 10683810
Signed: Wes Davis
Report Date: 09 Oct 2023



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VOLVO GRAPHS

