



CONSTRUCTION EQUIPMENT

VOLVO L220H 3347 - TRANSMISSION (AUTO)



Sample No: VCP419617
Oil Type: PENNZOIL DEXRON MERCON ATF FLUID
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP419617 | VCP410438 | VCP362667 | VCP355261 |
| Sample Date | 22 Jun 2023 | 24 Apr 2023 | 03 Mar 2023 | 09 Jan 2023 |
| Machine Hours | 8924 | 8016 | 7154 | 6298 |
| Oil Hours | 908 | 856 | 856 | 909 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 26.5 | 26.3 | 26.2 | 30.4 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|---|----|---|
| Silicon | ppm | 2 | 2 | 3 | 2 |
| Sodium | ppm | 1 | 1 | 2 | 2 |
| Potassium | ppm | <1 | 0 | <1 | 0 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 4 | 3 | 6 | 5 |
| Copper | ppm | <1 | <1 | 2 | 4 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | <1 | 0 |
| Aluminum | ppm | 0 | <1 | <1 | 0 |
| Chromium | ppm | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | 2 | <1 | 4 | 4 |
| Nickel | ppm | 0 | 0 | 0 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 0 | <1 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 132 | 91 | 200 | 148 |
| Magnesium | ppm | 6 | 3 | 9 | 15 |
| Zinc | ppm | 21 | 9 | 64 | 38 |
| Phosphorus | ppm | 267 | 225 | 266 | 249 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 116 | 121 | 113 | 107 |

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.

Depot: COVWES
Unique No: 10536451
Signed: Doug Bogart
Report Date: 02 Jul 2023



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GRAPHS

